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TCLD Teach Cult Ling Div Stdnt .................................. 508
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At a Glance

From www.georgiasouthern.edu/about (http://www.georgiasouthern.edu/about/)

• Georgia Southern University ranked number one in “The Best Schools for Military Students 2019” by Best for Vets Colleges
• Named “Military-Friendly” Gold school for the seventh year in a row in 2018 by Victory Media, publisher of G.I. Jobs, STEM Jobs and Military Spouse magazines
• Georgia Southern University has been included on the prestigious “2018 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: 2018 Edition
• 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.
• The Allen E. Paulson College of Engineering and Computing ranked third in “Most Affordable Colleges for a Master’s in Computer Science 2018” by OnlineU
• Waters College of Health Professions is ranked number one in “20 Most Affordable Online BSN Degrees” by College Choice
• Waters College of Health Professions ranked number two in the “10 Most Affordable Doctorate in Nurse Practitioner Online 2018” by Grad School Hub.
• Waters College of Health Professions is ranked number two in the “2018 Top Online Schools for Exercise Science” by The College Affordability Guide
• Waters College of Health Professions is ranked number two for the Master of Science in Kinesiology with an emphasis in Coaching Education among “15 Best Online Master’s in Coaching Education 2018” by Sports Management Degree Hub
• 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.

Strategic Pillars

The University Strategic Plan goals, objectives and actions are designed around five structural themes–our Strategic Pillars:

Strategic Pillar 1: Student Success
Strategic Pillar 2: Teaching and Research
Strategic Pillar 3: Inclusive Excellence
Strategic Pillar 4: Operational Efficiency, Effectiveness and Sustainability
Strategic Pillar 5: Community Engagement

Learn More about the University

• Administrative Structure (p. 11)
• Archived Catalogs (p. 12)
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## Administrative Structure

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<thead>
<tr>
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<th>Title</th>
</tr>
</thead>
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<tr>
<td>KYLE MARRERO, B.M., M.M., D.M.A.</td>
<td>President</td>
</tr>
<tr>
<td>TRIP C. ADDISON, B.S., M.B.A.</td>
<td>Vice President for University Advancement</td>
</tr>
<tr>
<td>ANNALEE ASHLEY, B.B.A</td>
<td>Chief of Staff &amp; External Affairs</td>
</tr>
<tr>
<td>JARED BENKO, B.S., MPA</td>
<td>Athletic Director</td>
</tr>
<tr>
<td>MAURA COPELAND, JD</td>
<td>Executive Counsel</td>
</tr>
<tr>
<td>JOHN LESTER, B.S., M.P.A., D.P.A.</td>
<td>Vice President for University Communications &amp; Marketing</td>
</tr>
<tr>
<td>SCOT LINGRELL, B.A., M.A., Ph.D.</td>
<td>Vice President for Enrollment Management</td>
</tr>
<tr>
<td>SHAY DAVIS LITTLE, B.S., M.S., Ph.D.</td>
<td>Vice President for Student Affairs</td>
</tr>
<tr>
<td>CARL L. REIBER, B.S., M.S., Ph.D.</td>
<td>Provost and Vice President for Academic Affairs</td>
</tr>
<tr>
<td>RON STALNAKER, MBA</td>
<td>Chief Information Officer</td>
</tr>
<tr>
<td>ROBERT WHITAKER, B.B.A., M.B.A.</td>
<td>Vice President for Business and Finance</td>
</tr>
<tr>
<td>TAJUAN WILSON, MPA, Ed.D.</td>
<td>Associate Vice President for Inclusive Excellence</td>
</tr>
<tr>
<td>ALLEN AMASON, B.B.A., Ph.D.</td>
<td>Dean, Parker College of Business</td>
</tr>
<tr>
<td>LISA CARMICHAEL, B.A., M.A., Ph.D.</td>
<td>Dean, University Libraries</td>
</tr>
<tr>
<td>MOHAMMAD DAVOUD, B.S., M.S., Ph.D.</td>
<td>Dean, Allen E. Paulson College of Engineering and Computing</td>
</tr>
<tr>
<td>DELANA GAJDOSIK-NIVENS, B.S., Ph.D.</td>
<td>Dean, College of Science and Mathematics</td>
</tr>
<tr>
<td>AMY HEASTON, B.S., M.A.E., Ed.D.</td>
<td>Interim Dean, College of Education</td>
</tr>
<tr>
<td>BARRY JOYNER, B.S., M.Ed., Ph.D.</td>
<td>Dean, Waters College of Health Professions</td>
</tr>
<tr>
<td>JOHN KRAFT, B.S., Ph.D.</td>
<td>Interim Dean, College of Arts and Humanities</td>
</tr>
<tr>
<td>RYAN SCHROEDER, B.A., M.A., Ph.D.</td>
<td>Dean, College of Behavioral and Social Sciences</td>
</tr>
<tr>
<td>STUART TEDDERS, B.S., M.S., Ph.D.</td>
<td>Dean, Jiann-Ping Hsu College of Public Health</td>
</tr>
<tr>
<td>ASHLEY WALKER, CHES, Ph.D.</td>
<td>Dean, Jack N. Averitt College of Graduate Studies</td>
</tr>
<tr>
<td>MARK WHITESEL, B.A., M.A., Ph.D.</td>
<td>Interim Dean of Student Services</td>
</tr>
</tbody>
</table>
Archived Catalogs

2017-2018 Undergraduate and Graduate Catalogs (https://catalog.georgiasouthern.edu/archive/2017-2018/)
2016-2017 Undergraduate and Graduate Catalogs (https://catalog.georgiasouthern.edu/archive/2016-2017/)
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/.
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
   Dr. John Kraft, Interim Dean
   Betty Foy Sanders Department of Art
   Mr. Jeff Garland, Chair
   Department of Communication Arts
   Dr. Pamela Bourland-Davis, Chair
   Department of Foreign Languages
   Dr. Eric J. Kartchner, Chair
   Department of History
   Dr. Carol Engelhardt Herringer, Chair
   Department of Literature
   Dr. Beth Howells, Chair
   Department of Music
   Dr. Steven Harper, Chair
   Department of Philosophy and Religious Studies
   Dr. Karin Fry, Chair
   Department of Writing and Linguistics
   Dr. Russell Willerton, Chair

II. College of Behavioral Health and Social Sciences
   Dr. Ryan Schroeder, Dean
   Department of Criminal Justice and Criminology
   Dr. Adam M. Bossler
   Department of Human Ecology
   Dr. Beth Myers, Chair
   Department of Psychology
   Dr. Ty Boyer, Chair
   Department of Public and Nonprofit Studies
   Dr. Trent Davis, Chair
   Department of Sociology and Anthropology
   Dr. Ted Brimeyer, Chair

III. Parker College of Business
    Dr. Allen C. Amason, Dean
    School of Accountancy
    Dr. Chuck Harter, Director
    Department of Economics
    Dr. Yassaman Saadatmand, Chair
    Department of Finance
    Dr. Joseph S. Ruhland, Chair
    Department of Enterprise Systems & Analytics
    Dr. Yoris Au, Chair
    Department of Logistics and Supply Chain Management
    Dr. Gerard Burke, Chair
    Department of Management
    Dr. Steven D. Charlier, Chair
    Department of Marketing
    Dr. Michael L. Thomas, Chair

IV. College of Education
    Dr. Amy Heaston, Interim Dean
    Department of Curriculum, Foundations, and Reading
    Dr. Kent Rittschof, Chair
    Department of Elementary and Special Education
    Dr. Yasar Bodur, Chair
    Department of Leadership, Technology, and Human Development
    Dr. Beth Durodoye, Chair
    Department of Middle Grades and Secondary Education
    Dr. Amelia Adkins, Chair

V. Allen E. Paulson College of Engineering and Computing
    Dr. Mohammad Davoud, Dean
    Department of Civil Engineering and Construction Management
    Dr. David William Scott, Chair
    Department of Computer Science
    Dr. Gursimran Singh Walia, Chair
    Department of Electrical and Computer Engineering
    Dr. Youakim Kalaani, Chair
    Department of Information Technology
    Dr. Yiming Ji, Chair
    Department of Manufacturing Engineering
    Dr. Daniel J. Cox, Chair
    Department of Mechanical Engineering
    Dr. Brian Vloeck, Chair

VI. Waters College of Health Professions
    Dr. Barry Joyner, Dean
    Department of Diagnostic and Therapeutic Sciences
    Dr. Laurie Adams, Interim Chair
    Department of Rehabilitation Sciences
    Dr. Walter L. Jenkins, Chair
    Department of Health Sciences and Kinesiology
    Dr. John Dobson, Interim Chair
    School of Nursing
    Dr. Catherine Gilbert, Chair

VII. Jiann-Ping Hsu College of Public Health
     Dr. Stuart Tedders, Dean
     Department of Biostatistics, Epidemiology and Environmental Health Sciences
     Dr. Hami Samawi, Interim Chair
     Department of Health Policy and Community Health
     Dr. Gulzar Shah, Chair

VIII. College of Science and Mathematics
      Dr. Delana Nivens, Dean
      Department of Biology
      Dr. Stephen P. Vives, Chair
      Department of Chemistry and Biochemistry
      Dr. Will Lynch, Chair
      Department of Geology and Geography
      Dr. Jacque Kelly, Interim Chair
      Department of Mathematical Sciences
      Dr. Sabrina Hessinger, Interim Chair
      Department of Military Science
      Major Brian A. Montgomery, Chair
      Department of Physics and Astronomy
      Dr. Clayton Heller, Chair

IX. Jack N. Averitt College of Graduate Studies
     Dr. Ashley D. Walker, Dean
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.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the institution to comply with the requirements of FERPA. The name and address of the office that administers FERPA are:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202
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/). Consecutive fall and spring semesters constitute an academic year.

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**Graduate Resources**

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  - Academic Common Market - Graduate (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/common-market/)
  - Academic Intervention Policy (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/academic-intervention-policy/)
  - Academic Standing Policy (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/academic-standing/)
  - Border County Fee Waiver (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/border-county-fee-waiver/)
  - Continuous Enrollment Requirements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/continuous-enrollment-requirements/)
  - Correspondence Study (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/correspondence-study/)
  - Degree Requirements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/degree-requirements/)
  - Degree Time Limit (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/degree-time-limit/)
  - Enrollment in Dual Programs (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/courses-applied-toward-two-degrees/)
  - Exclusion (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/exclusion/)
  - Full-Time/Half-Time Enrollment (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/enrollment/)
  - Grade Requirements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/grade-requirements/)
  - Graduate Academic Advisement (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/advisement/)
  - Graduate Courses (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/courses/)
  - Graduate Final Comprehensive Examination (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/graduate-final-comprehensive-examination/)
  - Inactive Status (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/inactive-status/)
  - Independent Study (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/independent-study/)
  - Internal Credit Sharing Between Graduate Degrees (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/internal-credit-sharing/)
  - Non-Medical Leave of Absence (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/non-medical-leave-absence/)
  - Off-Campus Research (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/off-campus-research/)
  - Prior Learning Assessment (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/prior-learning-assessment/)
• Probation (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/probation/)
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• Graduate Programs and Requirements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/graduate-programs/)
  • Certificates and Endorsements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/graduate-programs/certificates-endorsements/)
  • Master's Programs (http://catalog.georgiasouthern.edu/graduate/graduate-studies/graduate-programs/masters/)
  • Education Specialist Programs (http://catalog.georgiasouthern.edu/graduate/graduate-studies/graduate-programs/education-specialist/)
  • Doctoral Programs (http://catalog.georgiasouthern.edu/graduate/graduate-studies/graduate-programs/doctoral/)

• Additional Programs and Services (http://catalog.georgiasouthern.edu/graduate/graduate-studies/additional-programs-services/)
  • Graduate Degree Program Directors/Coordinators (http://catalog.georgiasouthern.edu/graduate/graduate-studies/additional-programs-services/degree-program-directors-coordinators/)
• Preparing for Graduation (http://catalog.georgiasouthern.edu/graduate/graduate-studies/preparing-graduation/)
• Graduate Faculty (http://catalog.georgiasouthern.edu/graduate/graduate-studies/faculty/)
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 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.

Intercolligate 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 Email: courseleaf@georgiasouthern.edu
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 has won two bowl games since 2015 - the GoDaddy Bowl (2015) and the Camellia Bowl (2018). 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

Botanic Garden at Georgia Southern University
Centered on an early 20th-century farmstead near the southeast end of campus, the Garden celebrates the nature and culture of the southeastern coastal plain. Eleven acres feature native and heritage plants, including 270 taxa and 20 of the state’s protected plants. The Garden offers woodland trails, wetlands, landscaped gardens, a native azalea collection, a vegetable garden, Rural Life Museum, the Whelchel Camellia Garden, and more. As a research and educational resource for faculty and students, the Garden provides undergraduate and graduate internships and hands-on study opportunities. Workshops, tours, school field trips, special events, and plant sales are some of the Garden’s public outreach programs. The Garden is also available for rentals such as photography sessions, weddings, and receptions. Grounds are open 9:30 a.m. to dusk Monday through Friday and 1 p.m. until 4 p.m. on Sunday. Buildings are open Monday through Friday, 9:30 a.m. to 5:30 p.m., and Sunday, 1 p.m. to 4 p.m. For more information call the Garden office at (912) 478-1149 or visit the website at academics.georgiasouthern.edu/garden (http://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 vogtlensis*, the most primitive fossil whale ever discovered in North America, are among the many specimens interpreting Georgia's prehistoric past. Native American artifacts, a rare antebellum cotton gin, a dugout canoe, and WPA mural are a few of the extraordinary artifacts that interpret the unique cultural history of the region. The museum also hosts a variety of onsite and offsite changing exhibits and programs relevant to the University’s academic programs—often curated by faculty and students. The Museum partners with the Institute for Interdisciplinary STEM Education to offer resources for hands-on science education to teachers across south Georgia. The Museum serves as a research and educational resource for faculty, staff, students, the general public, and K-12 schools. Opportunities exist for undergraduate and graduate student involvement in all aspects of the museum’s programs. The Museum is located in the Rosenwald Building on historic Sweetheart Circle and is free for Georgia Southern University students. Check the website for operating hours, non-student admissions, changing exhibits and special events. Inquiries may be directed to the museum at (912) 478-5444. Visit the website at academics.georgiasouthern.edu/museum (https://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, including the newly constructed Waterfowl Pond, which brings attention to the native species of waterfowl found in our region. 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 (http://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 (http://academics.georgiasouthern.edu/pac/).
Strategic Pillars

Strategic Pillar 1: Student Success
Georgia Southern University is dedicated to helping students reach their full potential. Through engagement with the institution and exposure to a student-centered approach, students are able to thrive, reach their goals, and complete their degrees. By providing access to resources for support, as well as strong curricular and co-curricular opportunities, the University promotes the intellectual, personal, and professional development of students. Each student is challenged to define what success means to them and to follow customized, well-supported pathways to success.

Strategic Pillar 2: Teaching and Research
Teaching and research are the keystones to advance knowledge, foster creativity, inspire innovation, and improve quality of life. Georgia Southern University will increase investment in research programs, faculty development, and current technologies that enhance the faculty as teacher-scholars and support their ability to model best practices for students. As a result, faculty can improve student learning, prepare students to compete in the global marketplace, and enhance student success by providing access to a complete experiential learning environment that develops students into holistic critical thinkers who contribute as productive citizens to societal enrichment.

Strategic Pillar 3: Inclusive Excellence
Georgia Southern University celebrates diversity in all its forms. All populations will feel valued and respected, regardless of race, gender, ethnicity, religion, national origin, age, sexual orientation or identity, education, or disability. In addition, the University will capitalize on distinctive, unique campus cultures while encouraging strong institutional unity.

Strategic Pillar 4: Operational Efficiency, Effectiveness and Sustainability
Georgia Southern University will implement robust policies, procedures, and practices to ensure current and future sustainability, highlighting financial management, risk management, and employee satisfaction. The “One Georgia Southern” theme will reinforce the University’s focus on equity, diversity, and inclusive excellence.

Strategic Pillar 5: Community Engagement
Community engagement is critical to ensure that Georgia Southern University’s impact extends far beyond the geographic boundaries of its multiple campuses. The University is committed to being a strong partner with community members, area organizations, U.S. military, and local companies. By deepening strategic relationships, expanding cultural opportunities, and encouraging community members to engage, the University will distinguish itself as a valued partner and community resource.
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 (http://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>Erin Hames, Atlanta</td>
<td>(State-at-Large)</td>
<td>2023</td>
</tr>
<tr>
<td>Samuel D. Holmes,</td>
<td>(State-at-Large)</td>
<td>2026</td>
</tr>
<tr>
<td>Augusta, Atlanta</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James M. Hull, Augusta</td>
<td>(State-at-Large)</td>
<td>2023</td>
</tr>
<tr>
<td>Cade Joiner, Brookhaven</td>
<td>(State-at-Large)</td>
<td>2027</td>
</tr>
<tr>
<td>T. Dallas Smith, Atlanta</td>
<td>(State-at-Large)</td>
<td>2027</td>
</tr>
<tr>
<td>Don L. Waters, Savannah</td>
<td>(1st District)</td>
<td>2025</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>2024</td>
</tr>
<tr>
<td>Rachel Little, Loganville</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>Jose R. Perez, Peachtree Corners</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>Harold Reynolds, Greensboro</td>
<td>(10th District)</td>
<td>2027</td>
</tr>
<tr>
<td>Neil L. Pruitt, Jr., Norcross</td>
<td>(11th District)</td>
<td>2024</td>
</tr>
<tr>
<td>C. Everett Kennedy, III, Statesboro</td>
<td>(12th District)</td>
<td>2027</td>
</tr>
<tr>
<td>Sachin Shailendra, Atlanta</td>
<td>(13th District)</td>
<td>2021</td>
</tr>
<tr>
<td>Lowery Houston May, Rome</td>
<td>(14th District)</td>
<td>2027</td>
</tr>
</tbody>
</table>

Officers and Staff Members of the Board of Regents
- Sachin Shailendra, Chairman
- James M. Hull, Vice Chairman
- Steve Wrigley, Chancellor
- Edward M. Tate, Secretary to the Board

1 For the most recent information, refer to https://www.usg.edu/regents/.
## University Calendars

### Fall 2020 Full Term

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 6-7</td>
<td>New Faculty Orientation, Statesboro Campus</td>
</tr>
<tr>
<td>August 10</td>
<td>Academic Year Begins</td>
</tr>
<tr>
<td>August 11</td>
<td>Academic Standards Committee meeting, 1:00 p.m.</td>
</tr>
<tr>
<td>August 12</td>
<td>State of the University</td>
</tr>
<tr>
<td>August 13</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 14</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 14-16</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 17</td>
<td>Fee payment deadline for Fall 2020, (First Day of University Classes)</td>
</tr>
<tr>
<td>August 17</td>
<td>Full Term, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 17-20</td>
<td>Full Term, Drop/Add</td>
</tr>
<tr>
<td>August 21</td>
<td>$100 Late Registration Fee begins</td>
</tr>
<tr>
<td>August 24</td>
<td>Cancellation of Fall Classes for Non-Payment</td>
</tr>
<tr>
<td>September 7</td>
<td>Labor Day Holiday – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>October 12</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 26</td>
<td>SARC (Student Accessibility Resource Center) Early Registration for Spring 2021 and Summer 2021 begins</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 7</td>
<td>Homecoming, Classes canceled beginning at 2:15 p.m. on Friday, November 6th</td>
</tr>
<tr>
<td>November 2</td>
<td>Early Registration for Spring 2021 and Summer 2021 begins (Students should view WINGS for individual date and time)</td>
</tr>
<tr>
<td>November 6</td>
<td>Final date to hold terminal or comprehensive examination, theses and dissertation defenses</td>
</tr>
<tr>
<td>November 16</td>
<td>Final deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Spring 2021</td>
</tr>
<tr>
<td>November 16</td>
<td>Employee Tuition Assistance Program (TAP) registration for Spring 2021, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>November 20</td>
<td>Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review</td>
</tr>
<tr>
<td>November 23-27</td>
<td>Thanksgiving Holidays for students, Residence halls open – Administrative offices open November 23-25, closed November 26-27 for Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 4</td>
<td>Full Term, Last Day of Classes</td>
</tr>
<tr>
<td>December 5-10</td>
<td>Full Term, Final Exams</td>
</tr>
</tbody>
</table>

### Fall 2020 Term A

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 17</td>
<td>Term A, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 17-20</td>
<td>Term A, Drop/Add</td>
</tr>
<tr>
<td>September 11</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 5</td>
<td>Term A, Last Day of Classes</td>
</tr>
<tr>
<td>October 7-9</td>
<td>Term A, Final Exams</td>
</tr>
</tbody>
</table>

### Fall 2020 Term B

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 9</td>
<td>Term B, Housing Move in for New Students Only at 12:00 noon</td>
</tr>
<tr>
<td>October 12</td>
<td>Term B, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>October 12-15</td>
<td>Term B, Drop/Add, Ends on October 15th at 5:00 p.m.</td>
</tr>
<tr>
<td>November 5</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 4</td>
<td>Term B, Last Day of Classes</td>
</tr>
<tr>
<td>December 5-10</td>
<td>Term B, Final Exams</td>
</tr>
</tbody>
</table>

### Fall 2020 MBA, Ten week term

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 17</td>
<td>MBA, Ten week session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 17-19</td>
<td>MBA, Ten week session, Drop/Add</td>
</tr>
</tbody>
</table>
## Fall 2020 MBA, Five week term

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 26</td>
<td>MBA, Ten-week session, Classes Begin, Drop/Add</td>
</tr>
<tr>
<td>October 26-28</td>
<td>MBA, Five week session, Drop/Add</td>
</tr>
<tr>
<td>November 12</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>December 4</td>
<td>MBA, Five week session, Last day of classes</td>
</tr>
<tr>
<td>December 7-9</td>
<td>MBA, Five week session, Final Exams</td>
</tr>
</tbody>
</table>

## Fall 2020 eCore, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology)

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1</td>
<td>ECORE, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Registration begins for Fall 2020 Full, Short I and Short II sessions</td>
</tr>
<tr>
<td>August 17</td>
<td>ECORE, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology) Full and Short I sessions, Classes Begin</td>
</tr>
<tr>
<td>August 17-19</td>
<td>ECORE, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Late Registration/Add period</td>
</tr>
<tr>
<td>August 17-21</td>
<td>ECORE, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Drop period</td>
</tr>
<tr>
<td>August 20-26</td>
<td>ECORE, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Full and Short I sessions</td>
</tr>
<tr>
<td>September 14</td>
<td>ECORE, GOML (Georgia ONmyLINE), Last day to withdraw without academic penalty, Short I session</td>
</tr>
<tr>
<td>October 6</td>
<td>ECORE, GOML (Georgia ONmyLINE), Classes end for Short I session</td>
</tr>
<tr>
<td>October 7-10</td>
<td>ECORE, GOML (Georgia ONmyLINE), Final Exams for Short I session</td>
</tr>
</tbody>
</table>

## Fall 2020 WebMBA (Web Master Business Administration)

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

For other important WebMBA calendar dates, refer to the Georgia WebMBA calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 17</td>
<td>WebMBA, Classes Begin</td>
</tr>
<tr>
<td>August 17-19</td>
<td>WebMBA, Drop/Add</td>
</tr>
<tr>
<td>October 5</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>November 16</td>
<td>WebMBA, Last day of classes</td>
</tr>
<tr>
<td>November 17-20</td>
<td>WebMBA, Final Exams</td>
</tr>
</tbody>
</table>

## Fall 2020 Tactical Athletic Certificate - Term 1

**Note:** For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 14</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>September 14-15</td>
<td>Drop/Add</td>
</tr>
<tr>
<td>September 23</td>
<td>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>
</tbody>
</table>
Fall 2020 Tactical Athletic Certificate - Term 2

Note: For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

October 2  Last day of classes
October 3  Final Exams

Fall 2020 Tactical Athletic Certificate - Term 3

Note: For other important Fall 2020 calendar information, refer to the Full Term calendar (p. 25).

November 2  Classes Begin
November 2-3  Drop/Add
November 11  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  Last day of classes
November 21  Final Exams

Spring 2021 Full Term

Note: For other important Spring 2021 calendar information, refer to the Fall 2020 Full Term calendar (p. 25).

November 16  Final deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Spring 2021

November 16  Employee Tuition Assistance Program (TAP) registration for Spring 2021, 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 5  Academic Standards Committee meeting, 1:00 p.m.
January 7  Residence hall check-in, 12:00 noon at the Residence halls
January 11  Fee payment deadline for Spring 2021, (First Day of University Classes)

March 8  Full Term, 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)

April 15  Employee Tuition Assistance Program (TAP) registration for Summer 2021, via the web beginning at 8:30 a.m.

April 16  Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review

April 30  Final date for undergraduate and graduate students to apply for Spring 2021 graduation and Summer 2021 graduation

May 1-6  Final date to hold terminal or comprehensive examination, theses or dissertation defenses

May 7  SARC (Student Accessibility Resource Center) Early Registration for Fall 2021 begins

May 15-19  Spring break for students – Administrative offices open – Residence halls open

May 22  Early Registration for Fall 2021 begins (Students should view WINGS for individual date and time)

May 26  Final date for undergraduate and graduate students to apply for Spring 2021 graduation and Summer 2021 graduation

May 30  Final date for undergraduate and graduate students to apply for Spring 2021 graduation and Summer 2021 graduation

June 1  Classes Begin, Attendance Verification must be completed on the first class meeting day

June 1-14  Full Term, Drop/Add

June 15  $100 Late Registration Fee begins

June 18  Martin Luther King Jr. Holiday - Administrative offices closed - No classes

June 19  Cancellation of Fall Classes for Non-Payment

Spring 2021 Term A

Note: For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

January 11  Term A, Classes Begin, Attendance Verification must be completed on the first class meeting day

January 11-14  Term A, Drop/Add

February 5  Term A, 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)

March 1  Term A, Last Day of Classes

March 3-5  Term A, Final Exams

Spring 2021 Term B

Note: For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).
### Spring 2021 eCore, FTA (Financial Technology Academy), GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology)

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 5</td>
<td>Term B, Housing Move in for New Students Only at 12:00 noon</td>
</tr>
<tr>
<td>March 8</td>
<td>Term B, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>March 8-11</td>
<td>Term B, Drop/Add, Ends on March 11th at 5:00 p.m.</td>
</tr>
<tr>
<td>April 8</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>April 30</td>
<td>Term B, Last Day of Classes</td>
</tr>
<tr>
<td>May 1-6</td>
<td>Term B, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2021 WebMBA (Web Master Business Administration)

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27). For other important WebMBA calendar dates, refer to the Georgia WebMBA calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 11</td>
<td>WebMBA, Classes Begin</td>
</tr>
<tr>
<td>January 11-13</td>
<td>WebMBA, Drop/Add</td>
</tr>
<tr>
<td>February 24</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 5</td>
<td>WebMBA, Last day of classes</td>
</tr>
<tr>
<td>April 6-8</td>
<td>WebMBA, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2021 Tactical Athletic Certificate - Term 1

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 25</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>January 25-26</td>
<td>Drop/Add</td>
</tr>
<tr>
<td>February 3</td>
<td>Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="https://em.georgiasouthern.edu/registrar/students/withdrawal">https://em.georgiasouthern.edu/registrar/students/withdrawal</a>)</td>
</tr>
<tr>
<td>February 12</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>February 13</td>
<td>Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2021 Tactical Athletic Certificate - Term 2

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 22</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>February 22-23</td>
<td>Drop/Add</td>
</tr>
<tr>
<td>March 3</td>
<td>Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="https://em.georgiasouthern.edu/registrar/students/withdrawal">https://em.georgiasouthern.edu/registrar/students/withdrawal</a>)</td>
</tr>
<tr>
<td>March 12</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>March 13</td>
<td>Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2021 Tactical Athletic Certificate - Term 3

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 22</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>March 22-23</td>
<td>Drop/Add</td>
</tr>
</tbody>
</table>
### Spring 2021 Tactical Athletic Certificate - Term 4

**Note:** For other important Spring 2021 calendar information, refer to the Full Term calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 12</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>April 12-13</td>
<td>Drop/Add</td>
</tr>
<tr>
<td>April 21</td>
<td>Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="https://em.georgiasouthern.edu/registrar/students/withdrawal/">https://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>April 30</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>May</td>
<td>Final Exams</td>
</tr>
</tbody>
</table>

### Summer 2021 Long Term

**Note:** For other important Summer 2021 calendar information, refer to the Spring 2021 Full Term Calendar (p. 27).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 31</td>
<td>Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="https://em.georgiasouthern.edu/registrar/students/withdrawal/">https://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>April 9</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>April 10</td>
<td>Final Exams</td>
</tr>
<tr>
<td>March 26</td>
<td>Final Date for Undergraduate and Graduate students to apply for Spring 2021 and Summer 2021 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 2021</td>
</tr>
<tr>
<td>April 15</td>
<td>Employee Tuition Assistance Program (TAP) Registration for Summer 2021, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>TBD</td>
<td>Academic Standards Committee meeting</td>
</tr>
<tr>
<td>May 1</td>
<td>Final Exams</td>
</tr>
<tr>
<td>May 14</td>
<td>Residence hall check-in for Long Term, 12:00 noon in the Residence halls</td>
</tr>
<tr>
<td>May 15</td>
<td>Fee payment deadline for Summer 2021 (First Day of University Classes)</td>
</tr>
<tr>
<td>May 17</td>
<td>Long Term, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 17-19</td>
<td>Long Term, Drop/Add</td>
</tr>
<tr>
<td>May 31</td>
<td>Memorial Day – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>June 16</td>
<td>Long Term, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>June 18</td>
<td>Final date to hold terminal or comprehensive examination, theses or dissertation defense for Summer 2019 graduates</td>
</tr>
<tr>
<td>July 2</td>
<td>Deadline to submit electronic theses and dissertations to College of Graduate Studies for committee approval</td>
</tr>
<tr>
<td>July 5</td>
<td>Independence Day Holiday (Observed) – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>July 6</td>
<td>Long Term, Last Day of Classes for Tuesday/Thursday Evening Classes</td>
</tr>
<tr>
<td>July 8</td>
<td>Long Term, Final exams for Tuesday/Thursday Evening Classes</td>
</tr>
<tr>
<td>July 12</td>
<td>Long Term, Last Day of Classes for Monday/Wednesday Evening Classes</td>
</tr>
<tr>
<td>July 13</td>
<td>Long Term, Last Day of Classes</td>
</tr>
<tr>
<td>July 14</td>
<td>Long Term, Final exams for Monday/Wednesday Evening Classes</td>
</tr>
<tr>
<td>July 15</td>
<td>Employee Tuition Assistance Program (TAP) Registration for Fall 2021, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>July 14-15</td>
<td>Long Term, Final exams</td>
</tr>
<tr>
<td>July 16</td>
<td>Residence halls close at 12:00 noon for students attending Long Term</td>
</tr>
<tr>
<td>July 16</td>
<td>Deadline to submit final approved and verified electronic theses or dissertations to College of Graduate Studies</td>
</tr>
<tr>
<td>TBD</td>
<td>Academic Standards Committee meeting</td>
</tr>
</tbody>
</table>

**TBD - To Be Determined**

### Summer 2021 Health Professions Term

**Note:** For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 17</td>
<td>Health Professions Term, Classes begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 17-19</td>
<td>Health Professions Term, Drop/Add</td>
</tr>
<tr>
<td>June 21</td>
<td>Health Professions Term, Last day to withdraw without academic penalty</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>
</tbody>
</table>

### Summer 2021 Term A

**Note:** For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 14</td>
<td>Residence hall check-in for Term A, 12:00 noon in the Residence halls</td>
</tr>
<tr>
<td>May 17</td>
<td>Term A, Classes begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 17-19</td>
<td>Term A, Drop/Add</td>
</tr>
<tr>
<td>June 2</td>
<td>Term A, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>June 10</td>
<td>Term A - COE Graduate Evening Classes during Term A, Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 14</td>
<td>Term A - COE Graduate Evening Classes during Term A, Monday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 15</td>
<td>Term A - COB Graduate Evening Classes during Term A, Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 15</td>
<td>Term A - COE Graduate Evening Classes during Term A, Monday/Thursday Session, Final exams, 4:00 p.m.</td>
</tr>
<tr>
<td>June 16</td>
<td>Term A - COB Graduate Evening Classes during Term A, Monday/Thursday, Last day of classes</td>
</tr>
<tr>
<td>June 16</td>
<td>Term A - COE Graduate Classes during Term A, Monday/Thursday, Final exams, 4:00 p.m.</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 17</td>
<td>Term A, Final exams, Evening classes, 6:00-8:00 p.m.</td>
</tr>
<tr>
<td>June 17</td>
<td>Term A - COB Graduate Evening Classes during Term A, Monday/Thursday Session, Final exams, 6:00 p.m.</td>
</tr>
<tr>
<td>Date</td>
<td>Event Description</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>June 17</td>
<td>Term A - COB Graduate Evening Classes during Term A Tuesday/Thursday Session, Final exams, 8:15 p.m.</td>
</tr>
<tr>
<td>June 18</td>
<td>Residence halls close at 12:00 noon for students attending Term A</td>
</tr>
</tbody>
</table>

**Summer 2021 Term B**

*Note: For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 17</td>
<td>Residence halls open for Eagle Success Students</td>
</tr>
<tr>
<td>June 20</td>
<td>Residence hall check-in for Term B at 12:00 noon in the Residence halls</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>July 7</td>
<td>Term B, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>July 10</td>
<td>Term B - COE Graduate Classes during Term B, Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>July 14</td>
<td>Term B - COE Graduate Classes during Term B, Monday/Wednesday/Thursday Session, Last day of classes</td>
</tr>
<tr>
<td>July 15</td>
<td>Term B - COB Graduate Evening Classes during Term B, Tuesday/Thursday Session, Last day of classes</td>
</tr>
<tr>
<td>July 17</td>
<td>Term B - COB Graduate Evening Classes during Term B, Monday/Wednesday/Thursday Session, Last day of classes</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 22</td>
<td>Term B, Evening Classes, Final exams, 6:00-8:00 p.m.</td>
</tr>
<tr>
<td>July 23</td>
<td>Residence halls close at 12:00 noon for Term B and Eagle Success Students</td>
</tr>
</tbody>
</table>

**Summer 2021 GOML (Georgia ONmyLINE)**

*Note: For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1</td>
<td>GOML (Georgia ONmyLINE), Early Registration, for Summer 2021 and Fall 2021</td>
</tr>
<tr>
<td>May 11</td>
<td>GOML (Georgia ONmyLINE), First Day of Classes</td>
</tr>
<tr>
<td>May 11-13</td>
<td>GOML (Georgia ONmyLINE), Late Registration/Add period</td>
</tr>
<tr>
<td>May 11-17</td>
<td>GOML (Georgia ONmyLINE), Drop period</td>
</tr>
<tr>
<td>May 13-19</td>
<td>GOML (Georgia ONmyLINE), Attendance Verification must be completed for Summer 2021</td>
</tr>
<tr>
<td>June 11</td>
<td>GOML (Georgia ONmyLINE), Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>July 12</td>
<td>GOML (Georgia ONmyLINE), Last Day of Classes</td>
</tr>
<tr>
<td>July 13-15</td>
<td>GOML (Georgia ONmyLINE), Final Exams</td>
</tr>
</tbody>
</table>

**Summer 2021 eCore**

*Note: For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1</td>
<td>ECORE, Early Registration, for Summer 2021 and Fall 2021</td>
</tr>
<tr>
<td>May 24</td>
<td>ECORE, First day of classes, Short II session</td>
</tr>
<tr>
<td>May 24-26</td>
<td>ECORE, Late Registration/Add period, Short II session</td>
</tr>
<tr>
<td>May 24-28</td>
<td>ECORE, Drop Period, Short II session</td>
</tr>
<tr>
<td>May 27-31</td>
<td>ECORE, Short II session, Attendance Verification must be completed for Summer 2021</td>
</tr>
<tr>
<td>June 22</td>
<td>ECORE, Short II session, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>July 16</td>
<td>ECORE, Short II session, Last Day of Classes</td>
</tr>
<tr>
<td>July 17-21</td>
<td>ECORE, Short II session, Final Exams</td>
</tr>
</tbody>
</table>

**Summer 2021 COPH Grad Term**

*Note: For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 17</td>
<td>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>College of Public Health Graduate Session, Drop/Add</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>June 8</td>
<td>College of Public Health Graduate Evening Session, Last day to withdraw without academic penalty</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 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>
</tbody>
</table>

**Summer 2021 COE Grad Term**

*Note: For other important Summer 2021 calendar information, refer to the Long Term calendar (p. 29).*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<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 22</td>
<td>College of Education Graduate Session, Last day to withdraw without academic penalty</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 14</td>
<td>College of Education Graduate Monday/Wednesday Session, Last day of classes</td>
</tr>
</tbody>
</table>
Fall 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 15</td>
<td>College of Education Graduate Session, Monday/Wednesday, Final exams</td>
</tr>
</tbody>
</table>

Summer 2021 MBA Term - 10 Weeks Savannah

**Note:** For other important Summer 2021 calendar information, refer to the Full Term calendar (p. 29).

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 18</td>
<td>MBA – Savannah, Ten week session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 18-20</td>
<td>MBA – Savannah, Ten week session, Drop/Add</td>
</tr>
<tr>
<td>June 17</td>
<td>MBA – Savannah, Ten-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information</td>
</tr>
<tr>
<td>July 15</td>
<td>MBA - Savannah, Ten week session, Last day of classes</td>
</tr>
<tr>
<td>July 20-22</td>
<td>MBA - Savannah, Ten week session, Final Exams</td>
</tr>
</tbody>
</table>

Summer 2021 WebMBA (Web Master Business Administration)

**Note:** For other important Summer 2021 calendar information, refer to the Georgia WebMBA calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 11</td>
<td>WebMBA, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 11-13</td>
<td>WebMBA, Drop/Add</td>
</tr>
<tr>
<td>June 18</td>
<td>WebMBA, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information</td>
</tr>
<tr>
<td>July 23</td>
<td>WebMBA, Last day of classes</td>
</tr>
<tr>
<td>July 26-28</td>
<td>WebMBA, Final Exams</td>
</tr>
</tbody>
</table>

Future University Calendars

**Fall 2021**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 11</td>
<td>Fee payment deadline, Fall Semester 2021 (First Day of University Classes)</td>
</tr>
<tr>
<td>August 11-16</td>
<td>Classes begin, Full Term, Term A</td>
</tr>
<tr>
<td>September 6</td>
<td>Labor Day – Administrative Offices Closed – No Classes</td>
</tr>
<tr>
<td>September 29</td>
<td>Last day of classes, Term A</td>
</tr>
<tr>
<td>September 30</td>
<td>Study Day, Term A</td>
</tr>
<tr>
<td>October 1-5</td>
<td>Final Exams, Term A</td>
</tr>
<tr>
<td>October 6</td>
<td>Classes begin, Term B</td>
</tr>
<tr>
<td>October 6-11</td>
<td>Drop/Add, Term B, Ends on October 11th at 5:00 p.m.</td>
</tr>
<tr>
<td>October 29</td>
<td>Final date for Undergraduate and Graduate students to apply for Fall 2021 graduation</td>
</tr>
<tr>
<td>November 22-26</td>
<td>Thanksgiving Holidays for students, Residence halls open – Administrative offices closed November 25-26 for Thanksgiving Holidays</td>
</tr>
<tr>
<td>November 30</td>
<td>Last day of classes, Full Term B</td>
</tr>
<tr>
<td>December 1</td>
<td>Study Day, Full Term, Term B</td>
</tr>
<tr>
<td>December 2-8</td>
<td>Final Exams, Full Term, Term B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 10</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
<tr>
<td>December 11</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
</tbody>
</table>

**Spring 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 31</td>
<td>New Year’s Day Holiday (Observed) - Administrative offices closed</td>
</tr>
<tr>
<td>January 10</td>
<td>Fee payment deadline, Spring Semester 2022 (First Day of University Classes)</td>
</tr>
<tr>
<td>January 10</td>
<td>Classes begin, Full Term, Term A</td>
</tr>
<tr>
<td>January 10-13</td>
<td>Drop/Add, Full Term, Term A</td>
</tr>
<tr>
<td>January 17</td>
<td>Martin Luther King Jr. Holiday - Administrative Offices closed - No classes</td>
</tr>
<tr>
<td>February 28</td>
<td>Last day of classes, Term A</td>
</tr>
<tr>
<td>March 2-4</td>
<td>Final Exams, Term A</td>
</tr>
<tr>
<td>March 7</td>
<td>Classes begin, Term B</td>
</tr>
<tr>
<td>March 7-10</td>
<td>Drop/Add, Term B, Ends on March 10th at 5:00 p.m.</td>
</tr>
<tr>
<td>March 14-18</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 25</td>
<td>Final date for Undergraduate and Graduate students to apply for Spring 2022 graduation</td>
</tr>
<tr>
<td>April 29</td>
<td>Last day of classes, Full Term B</td>
</tr>
<tr>
<td>April 30-May 5</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 6</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
<tr>
<td>May 7</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
</tbody>
</table>

**Summer 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 25</td>
<td>Final date for Undergraduate and Graduate students to apply for Spring 2022 graduation</td>
</tr>
<tr>
<td>May 16</td>
<td>Fee payment deadline for Summer 2022 (First Day of University Classes)</td>
</tr>
<tr>
<td>May 16</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 30</td>
<td>Memorial Day – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>May 31</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>May 31-June 2</td>
<td>College of Education Graduate Session, Drop/Add</td>
</tr>
<tr>
<td>June 1</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 15</td>
<td>Term A, Last Day of Classes</td>
</tr>
<tr>
<td>June 16</td>
<td>Term A, Final exams</td>
</tr>
<tr>
<td>June 20</td>
<td>Term B, Classes begin; Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>June 20-22</td>
<td>Term B, Drop/Add</td>
</tr>
<tr>
<td>June 23</td>
<td>College of Public Health Graduate Evening Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 27</td>
<td>College of Public Health Graduate Evening Monday/Wednesday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 28</td>
<td>College of Public Health Graduate Evening Session, Final exams for Tuesday/Thursday</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fee payment deadline, Spring Semester 2022 (First Day of University Classes)</td>
</tr>
<tr>
<td></td>
<td>Classes begin, Full Term, Term A</td>
</tr>
<tr>
<td>November 22-26</td>
<td>Thanksgiving Holidays for students, Residence halls open – Administrative offices closed November 25-26 for Thanksgiving Holidays</td>
</tr>
<tr>
<td>November 30</td>
<td>Last day of classes, Full Term B</td>
</tr>
<tr>
<td>December 1</td>
<td>Study Day, Full Term, Term B</td>
</tr>
<tr>
<td>December 2-8</td>
<td>Final Exams, Full Term, Term B</td>
</tr>
</tbody>
</table>
Fall 2022

August 10       Fee payment deadline, Fall Semester 2022 (First Day of University Classes)
August 10       Classes begin, Full Term, Term A
August 10-15    Drop/Add, Full Term, Term A
September 5     Labor Day – Administrative offices closed – No classes
September 28    Last day of classes, Term A
September 30-October 4   Final Exams, Term A
October 5       Classes begin, Term B
October 5-10    Drop/Add, Term B, Ends on October 10th at 5:00 p.m.
October 28      Final date for Undergraduate and Graduate students to apply for Fall 2021 graduation
November 21-25  Thanksgiving Holidays for students, Residence halls open – Administrative offices closed November 24-25 for Thanksgiving Holidays
November 29     Last day of classes, Full Term, Term B
December 1-7    Final Exams, Full Term, Term B
December 9      Commencement Tentative, To Be Determined
December 10     Commencement Tentative, To Be Determined

Spring 2023

January 2      New Year’s Day Holiday (Observed) - Administrative offices closed
January 9      Fee payment deadline, Spring Semester 2023 (First Day of University Classes)
January 9      Classes begin, Full Term, Term A
January 9-12   Drop/Add, Full Term, Term A
January 16     Martin Luther King Jr. Holiday - Administrative Offices closed - No classes
February 27    Last day of classes, Term A
March 1-3      Final Exams, Term A
March 6        Classes begin, Term B
March 6-9      Drop/Add, Term B, Ends on March 9th at 5:00 p.m.
March 13-17    Spring Break
March 31       Final date for Undergraduate and Graduate students to apply for Spring 2023 graduation
April 28       Last day of classes, Full Term, Term B
April 29-May 4 Final Exams, Full Term, Term B

May 5          Commencement Tentative, To Be Determined
May 6          Commencement Tentative, To Be Determined

Summer 2023

March 31       Final date for Undergraduate and Graduate students to apply for Spring 2023 graduation
May 15         Fee payment deadline for Summer 2023 (First Day of University Classes)
May 15         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 15-17      Drop/Add, Full Term, Term A, Health Professions Term, College of Public Health Graduate Evening Monday/Wednesday Session
May 16         College of Public Health Graduate Evening Tuesday/ Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day
May 29         Memorial Day – Administrative offices closed – No classes
May 30         College of Education Graduate Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day
May 30-June 1  College of Education Graduate Session, Drop/Add
May 31         College of Education Graduate Monday/Wednesday Session, Classes Begin, Attendance Verification must be completed on the first class meeting day
June 14        Term A, Last Day of Classes
June 15        Term A, Final exams
June 19        Term B, Classes begin; Attendance Verification must be completed on the first class meeting day
June 19-21     Term B, Drop/Add
June 22        College of Public Health Graduate Evening Tuesday/ Thursday Session, Last Day of Classes
June 26        College of Public Health Graduate Evening Monday/ Wednesday Session, Last Day of Classes
June 27        College of Public Health Graduate Evening Session, Final exams for Tuesday/Thursday
June 28        College of Public Health Graduate Evening Session, Final exams for Monday/Wednesday
July 4         Independence Day Holiday – Administrative offices closed – No classes
July 10        College of Education Graduate Monday/Wednesday Session, Last Day of Classes
July 11        College of Education Graduate Tuesday/Thursday Session, Last Day of Classes
July 11        Long Term, Last Day of Classes
July 12        College of Education Graduate Session, Monday/ Wednesday, Final exams
July 12-13     Long Term, Final exams
July 13        College of Education Graduate Session, Tuesday/ Thursday, Final exams
July 19        Term B, Health Professions Term, Last Day of Classes
July 20        Term B, Final Exams
July 20-21     Health Professions Term, Final Exams
University Housing

University Housing at Georgia Southern University operates eleven housing units providing a living-learning environment for approximately 6,000 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 150 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/ (http://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 (http://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 (http://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 offer 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 and Armstrong Campuses. 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 (http://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 may 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

Mission Statement

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.
Values

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.
Undergraduate Catalog

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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 (https://cah.georgiasouthern.edu/)

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Advising
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.

Contacts
Interim Dean: Dr. John Kraft
Foy 3012
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jrakft@georgiasouthern.edu

Associate Dean: S. Norton Pease
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P.O. Box 8142 (912) 478-2527
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Assistant Dean: Dr. Jolyon Hughes
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P.O. Box 8142 (912) 478-2527
jhughes@georgiasouthern.edu

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 Betty Foy Sanders Department of Art is an accredited member of the National Association of Schools of Art and Design (NASAD), offering a robust selection of minors in Animation and New Media, Art, Art History, Graphic Communications, Graphic Design, Photography and Digital Imaging, and Studio Art.

All BFSDoArt programs offered on the Statesboro or Armstrong campus have been written to allow students to complete their major or minor completely at that specific campus with no travel. However, because the campuses have different resources and faculty expertise, the possibility to travel off of their home campus to enrich their education is an exciting possibility.

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;
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.

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.
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.A. degree in Art (concentration in Studio Art) 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. complete written documentation as well as participate in verbal discussion that will demonstrate their 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. 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.

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.

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Animation & New Media Minor

Minor Program

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</tr>
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<tbody>
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</tr>
<tr>
<td>ART 2536 Animation II</td>
<td>53</td>
</tr>
<tr>
<td>ART 3536 Video &amp; Motion Graphics</td>
<td>55</td>
</tr>
<tr>
<td>ART 3537 Installation &amp; Interactivity</td>
<td>53</td>
</tr>
<tr>
<td>ART 4536 3D Animation</td>
<td>47</td>
</tr>
</tbody>
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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 and Theatre
(912) 478-2787

Advisement
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Art B.A. (Concentration in Art History)

Degree Requirements: 124 Credit Hours

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<tr>
<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
</tr>
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<td></td>
</tr>
<tr>
<td>6</td>
<td>Select twenty-four (24) credit hours from the following upper division Art History courses:</td>
<td>24</td>
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<td></td>
<td>ARTH 3251 Dada and Surrealism</td>
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<tr>
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<td>ARTH 3377 Graphic Design History</td>
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<td>ARTH 3435 African Art</td>
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<td>ARTH 3436 African American Art History</td>
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<td>ARTH 3437 American Art</td>
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<td>ARTH 3530 Art and Architecture of the Ancient World</td>
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<td>ARTH 3531 Medieval Art</td>
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<td>ARTH 3532 Italian Renaissance Art</td>
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<td>ARTH 3533 Baroque and Rococo Art</td>
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<td>ARTH 3534 19th Century Art</td>
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<td>ARTH 4251 Modern Art</td>
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<td></td>
<td>ARTH 4276 Art Theory and Criticism</td>
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<td>ARTH 4435 Art History Travel Research</td>
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<td>ARTH 4530 20th Century Art</td>
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<td>ARTH 4531 Contemporary Art</td>
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<td></td>
<td>ARTH 4631 Art History Seminar</td>
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<td></td>
<td>ARTH 4830 Art History Research</td>
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</tbody>
</table>

Select six (6) credit hours from the following Exploratory Studio Art courses (one (3) credit hour course must be at 3000 level or above):

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Art History Seminar</th>
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</tr>
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<tbody>
<tr>
<td>ART 2135 Painting: Introduction</td>
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</tr>
<tr>
<td>ART 2230 Ceramics: Introduction</td>
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<tr>
<td>ART 2235 Digital Dimensions</td>
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<tr>
<td>ART 2236 Small Metals Design: Fundamentals</td>
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<tr>
<td>ART 2335 Photographic Imaging I</td>
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<tr>
<td>ART 2430 Print, Paper, Book Arts: Introduction</td>
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</tr>
</tbody>
</table>

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
ART 3137  Painting: Intermediate
ART 3230  Ceramics: Intermediate
ART 3236  Small Metals Design: Intermediate I
ART 3335  Photographic Imaging II
ART 4235  Hot and Cold Casting
ART 4590  Selected Topics In Art
ARTS 2040  Intro to Darkroom Photography
ARTS 2400  Introduction to Fibers
ARTS 3140  Intermediate Darkroom Photogra
ARTS 3160  Manipulated Silver Print
ARTS 3610  Screen Printing
ARTS 3630  Fabric Design
ARTS 3640  Weaving
ARTS 3680  Environmental Art
ARTS 3700  Figure Sculpture
ARTS 3720  Fiber Sculpture
*Other exploratory studio ART/ARTS courses from all campuses available with advisor consent.

Required for the degree: 3
ARTH 4831  Senior Art History Thesis

Minor - Required
Select 15 credit hours of Minor courses 15
*Note: All Minors require nine (9) credit hours above 3000 level

Foreign Language
Select 0-6 credit hours of Foreign Language 0-6

Electives
Select 6-12 credit hours of Electives 6-12

Total Credit Hours 124

1 Only offered on the Statesboro Campus.
2 Only offered on the Armstrong Campus

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.
- All BFSDoArt programs have been written to allow students to complete their major or minor at either the Armstrong campus or Statesboro campus with no travel. However, because the campuses have different resources and faculty expertise, the possibility to travel off of their home campus to enrich their education is an exciting possibility.

Advisement
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
ART 3132 Figure Drawing
ART 3230 Ceramics: Intermediate
ART 3236 Small Metals Design: Intermediate I
ART 3335 Photographic Imaging II
ART 4334 Photographic Imaging III
ART 4536 3D Animation
ART 4590 Selected Topics in Art
ARTS 2040 Intro to Darkroom Photography
ARTS 2400 Introduction to Fibers
ARTS 3160 Manipulated Silver Print
ARTS 3340 Advanced Pottery 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
*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

Total Credit Hours 124

1 Only offered on the Statesboro Campus
2 Only offered on the Armstrong Campus

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.
- All BFSDoArt programs have been written to allow students to complete their major or minor at either the Armstrong campus or Statesboro campus with no travel. However, because the campuses have different resources and faculty expertise, the possibility to travel off of their home campus to enrich their education is an exciting possibility.

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Art B.F.A. (Concentration in 2D Studio)

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
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
ARTH 2531 Art History I
ARTH 2532 Art History II

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 3436 African American Art History
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 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 eighteen (18) credit hours from the following Exploratory Studio Art courses (must select nine (9) credit hours at the 3000 level or above):

ART 1536 Animation I
ART 2000 Advanced Placement Studio
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
ART 2430 Print, Paper, Book Arts: Introduction
ART 3131 Drawing III
ART 3335 Photographic Imaging II
ART 3430  Print, Paper, Book Arts: Intermediate ¹
ART 3536  Video & Motion Graphics ¹
ART 4135  Painting: Advanced
ART 4190  Drawing IV
ART 4330  Print, Paper, Book Arts: Advanced ¹
ART 4536  3D Animation ¹
ART 4590  Selected Topics In Art
ARTS 3610  Screen Printing ²
ARTS 3630  Fabric Design ²
ARTS 3640  Weaving ²
ARTS 3680  Environmental Art
ARTS 3840  Advanced Photographic Media

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

Concentration Studio Art Courses: 27

Option 1

ART 1011  Drawing II
ART 2135  Painting: Introduction
ART 2430  Print, Paper, Book Arts: Introduction
ART 3131  Drawing III
ART 3132  Figure Drawing
ART 3137  Painting: Intermediate
ART 3430  Print, Paper, Book Arts: Intermediate ¹
ART 4135  Painting: Advanced
ART 4330  Print, Paper, Book Arts: Advanced ¹

Required Capstone Course 6

ART 4999  BFA Portfolio And Exhibition

Elective

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

Option 2

ART 1011  Drawing II
ART 2135  Painting: Introduction
ART 2230  Ceramics: Introduction
ART 3132  Figure Drawing
ART 3137  Painting: Intermediate
ARTS 2040  Intro to Darkroom Photography ²
ARTS 2400  Introduction to Fibers ²
ARTS 3140  Intermediate Darkroom Photography ²
ARTS 3160  Manipulated Silver Print ²

Required Capstone Courses

ARTS 4700  Senior Portfolio ²
ARTS 4710  Senior Seminar ²
ARTS 4740  Senior Exhibition ²

*Only offered at the Statesboro Campus ¹
*Only offered at the Armstrong Campus ²

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors.
**Art Education B.S.**

### Concentration Studio Art Courses: 27

#### 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 6
- ART 4999  BFA Portfolio And Exhibition

**Elective**
- Select three (3) credit hours of Electives (outside of department)

#### Option 2
- ART 2135  Painting: Introduction
- ART 2230  Ceramics: Introduction
- ART 2236  Small Metals Design: Fundamentals
- ART 3230  Ceramics: Intermediate
- ART 4232  Ceramics: Advanced
- ARTS 2040  Intro to Darkroom Photography
- ARTS 2400  Introduction to Fibers
- ARTS 3630  Fabric Design
- ARTS 3680  Environmental Art

#### Required Capstone Courses
- ARTS 4700  Senior Portfolio
- ARTS 4710  Senior Seminar
- ARTS 4740  Senior Exhibition

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

### Advisement

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### 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

### Additional Requirements 18

#### Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1010 Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>ART 1020 2D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ART 1030 3D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ARTH 2531 Art History I</td>
<td></td>
</tr>
<tr>
<td>EDUC 2110 Investigating Critical and Contemporary Issues in Education</td>
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</tr>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
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</table>

### Major Requirements 48

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1011 Drawing II</td>
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</tr>
<tr>
<td>ART 2230 Ceramics: Introduction</td>
<td></td>
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<tr>
<td>ART 3330 New Media Design</td>
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<tr>
<td>ARTH 2532 Art History II</td>
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<tr>
<td>ARTH 4531 Contemporary Art</td>
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<tr>
<td>ARTS 2011 Introduction to Painting</td>
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<tr>
<td>ARTS 2040 Intro to Darkroom Photography</td>
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<td>ARTS 2400 Introduction to Fibers</td>
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<tr>
<td>ART 2430 Print, Paper, Book Arts: Introduction</td>
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<tr>
<td>ARTS 3020 Intermediate Painting (Intermediate Painting)</td>
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<tr>
<td>ARTS 3700 Figure Sculpture</td>
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<tr>
<td>ARTS 5300 Issues in Art Education</td>
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<tr>
<td>ARTS 5400 Art in the Elementary Grades</td>
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</tbody>
</table>
ARTS 5410  Art for Middle and Secondary Grades
Six credit hours of upper division studio courses from one of the following areas: ceramics and ceramic sculpture, drawing and painting, fibers, graphic design, or photography.

Other Requirements 22
ARTS 3760  Internship I-Pre-Student Teach ¹
ARTS 4760  Internship II-Student Teach ¹
EDUC 2120  Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts
ITEC 5233  Foundations of Technology-Enabled Learning
SPED 3333  Introduction to Special Education

Total Credit Hours 134
¹ Must be admitted into teacher education to enroll in these courses.

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/ART/ARTH course 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
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Graphic Design B.F.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>
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</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
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Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ART 1010  Drawing I</th>
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</thead>
<tbody>
<tr>
<td>ART 1020  2D Art and Design Foundations</td>
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<tr>
<td>ART 1030  3D Art and Design Foundations</td>
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<tr>
<td>ART 1132  Digital Art and Design Foundations</td>
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<tr>
<td>ARTH 2531  Art History I</td>
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<tr>
<td>ARTH 2532  Art History II</td>
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</table>

Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ARTH 3377  Graphic Design History</th>
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<tbody>
<tr>
<td>Select 6 credit hours from the following upper division Art History courses:</td>
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<tr>
<td>ARTH 3251  Dada and Surrealism</td>
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<tr>
<td>ARTH 3261  Italian Mannerism</td>
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<tr>
<td>ARTH 3272  Northern Renaissance Art</td>
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<tr>
<td>ARTH 3282  Pre-Columbian Art</td>
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<td>ARTH 3377  Graphic Design History</td>
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<td>ARTH 3437  American Art</td>
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<tr>
<td>ARTH 3530  Art and Architecture of the Ancient World</td>
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<td>ARTH 3531  Medieval Art</td>
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<td>ARTH 3532  Italian Renaissance Art</td>
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<td>ARTH 4251  Modern Art</td>
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<td>ARTH 4435  Art History Travel Research</td>
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<td>ARTH 4531  Contemporary Art</td>
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<tr>
<td>ARTH 4631  Art History Seminar</td>
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</tbody>
</table>

Graphic Communications Minor

Minor Program

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

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1132  Digital Art and Design Foundations</td>
<td></td>
</tr>
</tbody>
</table>

Choose 1 from the following list of ART courses:

| ART 2330  Typography I |
| 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 |
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>
<th>Fall</th>
<th>Spring</th>
<th>Alternating Electives</th>
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<tbody>
<tr>
<td>3</td>
<td>ART 2331 Visual Thinking in Graphic Design</td>
<td>ART 2330 Typography I</td>
<td>ART 3731 Graphic Design Internship</td>
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<tr>
<td>3</td>
<td>ART 3330 New Media Design</td>
<td>ART 3333 Design Systems</td>
<td>ART 4335 Web Page Design</td>
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<tr>
<td>3</td>
<td>ART 3331 Graphic Design Methods</td>
<td>ART 3338 Typography II</td>
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</tr>
<tr>
<td>3</td>
<td>ART 3334 Professional Practices</td>
<td>ART 4889 Graphic Design Portfolio</td>
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<tr>
<td>3</td>
<td>ART 4381 Graphic Design Theories</td>
<td>ARTH 3377 Graphic Design History</td>
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</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 require 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 the following year after they further develop the quality of their work and remedy deficient professional practices.

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# Graphic Design Minor

## Minor Program

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1132  Digital Art and Design Foundations</td>
<td>9</td>
</tr>
<tr>
<td>ART 2330  Typography I</td>
<td></td>
</tr>
<tr>
<td>ART 2331  Visual Thinking in Graphic Design</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select nine (9) credit hours from the following upper division graphic design courses:</td>
<td>9</td>
</tr>
<tr>
<td>ART 3330  New Media Design</td>
<td></td>
</tr>
<tr>
<td>ART 3331  Graphic Design Methods</td>
<td></td>
</tr>
<tr>
<td>ART 3333  Design Systems</td>
<td></td>
</tr>
<tr>
<td>ART 3334  Professional Practices</td>
<td></td>
</tr>
<tr>
<td>ART 3338  Typography II</td>
<td></td>
</tr>
<tr>
<td>ART 4335  Web Page Design</td>
<td></td>
</tr>
<tr>
<td>ARTS 3230  Packaging Design</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

1. Only offered at the Statesboro Campus
2. 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 and Theatre (912) 478-2787

## Advisement

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# Photography/Digital Imaging Minor

## Minor Program

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select six (6) credit hours from the following:</td>
<td>6</td>
</tr>
<tr>
<td>ART 2135  Painting: Introduction</td>
<td></td>
</tr>
<tr>
<td>ART 2230  Ceramics: Introduction</td>
<td></td>
</tr>
<tr>
<td>ART 2235  Digital Dimensions</td>
<td></td>
</tr>
<tr>
<td>ART 2236  Small Metals Design: Fundamentals</td>
<td></td>
</tr>
<tr>
<td>ART 2430  Print, Paper, Book Arts: Introduction</td>
<td></td>
</tr>
<tr>
<td>ARTS 2400  Introduction to Fibers</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select nine (9) credit hours from the following upper division Exploratory Studio Art and Art History courses:</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4135  Painting: Advanced</td>
<td></td>
</tr>
<tr>
<td>ART 4232  Ceramics: Advanced</td>
<td></td>
</tr>
<tr>
<td>ART 4235  Hot and Cold Casting</td>
<td></td>
</tr>
<tr>
<td>ART 4236  Small Metals Design: Advanced</td>
<td></td>
</tr>
<tr>
<td>ART 4330  Print, Paper, Book Arts: Advanced</td>
<td></td>
</tr>
<tr>
<td>ART 4590  Selected Topics In Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 3000+  Upper Division Art History</td>
<td></td>
</tr>
<tr>
<td>ARTS 3610  Screen Printing</td>
<td></td>
</tr>
<tr>
<td>ARTS 3630  Fabric Design</td>
<td></td>
</tr>
<tr>
<td>ARTS 3640  Weaving</td>
<td></td>
</tr>
<tr>
<td>ARTS 3680  Environmental Art</td>
<td></td>
</tr>
<tr>
<td>ARTS 3700  Figure Sculpture</td>
<td></td>
</tr>
<tr>
<td>ARTS 3720  Fiber Sculpture</td>
<td></td>
</tr>
</tbody>
</table>

1. Only offered at the Statesboro Campus
2. Only offered at the Armstrong Campus

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

## Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

# Studio Art Minor

## Minor Program

<table>
<thead>
<tr>
<th>Select nine (9) credit hours from the following intro courses:</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2135  Painting: Introduction</td>
<td></td>
</tr>
<tr>
<td>ART 2230  Ceramics: Intermediate</td>
<td></td>
</tr>
<tr>
<td>ART 2235  Digital Dimensions</td>
<td></td>
</tr>
<tr>
<td>ART 2236  Small Metals Design: Fundamentals</td>
<td></td>
</tr>
<tr>
<td>ART 2430  Print, Paper, Book Arts: Introduction</td>
<td></td>
</tr>
<tr>
<td>ARTS 2400  Introduction to Fibers</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select nine (9) credit hours from the following upper division Exploratory Studio Art and Art History courses:</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3177  Graphic Design History</td>
<td></td>
</tr>
<tr>
<td>ARTH 3437  American Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 3534  19th Century Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 4251  Modern Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 4276  Art Theory and Criticism</td>
<td></td>
</tr>
<tr>
<td>ARTH 4530  20th Century Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 4531  Contemporary Art</td>
<td></td>
</tr>
</tbody>
</table>

1. Only offered at the Statesboro Campus
2. Only offered at the Armstrong Campus

Contact Chair, BFSDoART Center for Art and Theatre (912) 478-2787
Students earning a B.S. in Communication Studies will be able to:

- Analyze and think critically about text, performance, and production.
- Apply fundamental skills in developing a character through performance techniques.
- Identify and apply the aesthetic properties of style in the development of a theatrical design.
- Assess and apply appropriate directing approaches and methodologies.
- Recognize a wide selection of the theatre repertory, including the principal eras, genres, and cultural sources.

Students earning a B.S. in Multimedia Journalism will be able to:

- Apply critical thinking skills in selecting relevant sources, collecting necessary information, and synthesizing complex information for mass audiences.
- Critique and 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 Multimedia Film and Production 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)
- Film Studies Interdisciplinary Minor (p. 58)
• Multimedia Film and Production Minor (p. 59)
• Multimedia Journalism Minor (p. 60)
• Public Relations Minor (p. 61)
• Theatre Minor (p. 63)

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>
<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>
<tr>
<td>COMM 1100 Human Communication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1110 Public Speaking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 2332 Media and Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 2330 Introduction to Communication Research</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:
- FILM 2200 Introduction to Cinema
- MMJ 2331 Introduction to Journalism
- THEA 2333 Acting I: Fundamentals of Acting

Select one of the following:
- Foreign Language - through 2001
- Significant International Content Course

Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>COMS 3332 Small Group Communication</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COMS 3335 Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMS 3337 Persuasion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMS 3338 Rhetorical Criticism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMS 4333 General Semantics: Language Use, Meaning, Culture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMS 5330 Communication Theory (Communication Theory)</td>
<td></td>
</tr>
</tbody>
</table>

Additional upper division requirements

Select 18-20 credit hours of additional upper division requirements:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>18-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 3331 Media Criticism</td>
<td></td>
</tr>
<tr>
<td>COMS 4331 Gender, Media, and Representation</td>
<td></td>
</tr>
<tr>
<td>COMS 1711 or COMS Communication Studies Practicum 2711</td>
<td></td>
</tr>
<tr>
<td>COMS 3030 Selected Topics in Communication Studies</td>
<td></td>
</tr>
<tr>
<td>COMS 3330 Health Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 3331 Argumentation</td>
<td></td>
</tr>
<tr>
<td>COMS 3334 Communicating in the Workplace</td>
<td></td>
</tr>
<tr>
<td>COMS 3336 Introduction to Performance Studies</td>
<td></td>
</tr>
<tr>
<td>COMS 3339 Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 3430 Communication and Leadership</td>
<td></td>
</tr>
<tr>
<td>COMS 3711 Communication Studies Practicum</td>
<td></td>
</tr>
<tr>
<td>COMS 4330 Rhetoric of International Relations</td>
<td></td>
</tr>
<tr>
<td>COMS 4332 Political Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 4336 Performance, Culture, Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 4337 Rhetoric of Social Movements</td>
<td></td>
</tr>
<tr>
<td>COMS 4338 Organizational Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 4339 Philosophy of Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 4711 Communication Studies Practicum</td>
<td></td>
</tr>
<tr>
<td>COMS 4831 Directed Study in Communication Studies</td>
<td></td>
</tr>
<tr>
<td>COMS 4791 Communication Studies Internship (only 3 hours may count toward these requirements)</td>
<td></td>
</tr>
<tr>
<td>COMS 5331 Communication and Conflict</td>
<td></td>
</tr>
<tr>
<td>COMS 5332 Nonverbal Communication</td>
<td></td>
</tr>
<tr>
<td>COMS 5333 Communication and Gender</td>
<td></td>
</tr>
<tr>
<td>COMS 5334 Interpersonal Communication in the Workplace</td>
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</tr>
<tr>
<td>COMS 5335 Family Communication</td>
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</tr>
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</table>

Upper Division Communication Arts Electives (Other Than Communication Studies Courses)

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>9-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Select 10-15 credit hours of Electives</td>
</tr>
<tr>
<td>Total Credit Hours</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.
- 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

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Communication Studies Minor

Prerequisite(s)

| Credit Hours | 6 |
| Required Prerequisites | |
| COMM 1100 Human Communication | |
| COM 1110 Public Speaking | |
| Total Credit Hours | 6 |
Film Studies Interdisciplinary Minor

Minor Program

Minor Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>COMS 2330</td>
<td>Introduction to Communication Research</td>
</tr>
</tbody>
</table>

Select 12 hours from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>COM 3331</td>
<td>Media Criticism</td>
</tr>
<tr>
<td></td>
<td>COM 4331</td>
<td>Gender, Media, and Representation</td>
</tr>
<tr>
<td></td>
<td>or any COMS upper division courses</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

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

Advisement

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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>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>COMM 2332</td>
<td>Media and Society</td>
</tr>
<tr>
<td></td>
<td>COMS 2330</td>
<td>Introduction to Communication Research</td>
</tr>
<tr>
<td></td>
<td>or THEA 2300</td>
<td>Script Analysis</td>
</tr>
<tr>
<td></td>
<td>FILM 2200</td>
<td>Introduction to Cinema</td>
</tr>
<tr>
<td></td>
<td>IT 1230</td>
<td>Introduction to Web Technologies</td>
</tr>
<tr>
<td></td>
<td>or THEA 2332</td>
<td>Stagecraft</td>
</tr>
<tr>
<td></td>
<td>MMFP 2335</td>
<td>Introduction to Media Writing</td>
</tr>
</tbody>
</table>

Select one of the following:

Foreign Language - through 2001
Significant International Content Course

Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>COMM 3337</td>
<td>Mass Communication Law</td>
</tr>
<tr>
<td></td>
<td>COMM 3530</td>
<td>Media Ethics</td>
</tr>
<tr>
<td></td>
<td>MMFP 2331</td>
<td>Multi-Camera Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 2336</td>
<td>Audio Production and Sound Design</td>
</tr>
<tr>
<td></td>
<td>MMFP 3132</td>
<td>Studio Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 3331</td>
<td>Single Camera Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 3532</td>
<td>Producing and Production Management</td>
</tr>
<tr>
<td></td>
<td>MMFP 3532</td>
<td>Producing and Production Management</td>
</tr>
<tr>
<td></td>
<td>MMFP 4432</td>
<td>Senior Project</td>
</tr>
</tbody>
</table>

Choose 2 of the following courses:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COMM 4330</td>
<td>History of Mass Communication</td>
</tr>
<tr>
<td></td>
<td>COMM 5333</td>
<td>Theories of Mass Communication</td>
</tr>
<tr>
<td></td>
<td>FILM 3331</td>
<td>History of Cinema</td>
</tr>
<tr>
<td></td>
<td>FILM 5035</td>
<td>Film Theory and Criticism</td>
</tr>
</tbody>
</table>

Major Electives

Choose 3 courses if selecting a minor; otherwise choose 4 courses:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-12</td>
<td>MMFP 3030</td>
<td>Selected Multimedia Topics</td>
</tr>
<tr>
<td></td>
<td>MMFP 3234</td>
<td>Directing For Screen</td>
</tr>
<tr>
<td></td>
<td>MMFP 3335</td>
<td>Lighting and Cinematography</td>
</tr>
<tr>
<td></td>
<td>MMFP 3431</td>
<td>Broadcast Performance</td>
</tr>
<tr>
<td></td>
<td>MMFP 3436</td>
<td>Advanced Audio Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 3437</td>
<td>Digital Media Post Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 3531</td>
<td>Screenwriting for Film and Television</td>
</tr>
<tr>
<td></td>
<td>MMFP 4090</td>
<td>Multimedia Applications</td>
</tr>
<tr>
<td></td>
<td>MMFP 4132</td>
<td>Studio Applications</td>
</tr>
<tr>
<td></td>
<td>MMFP 4233</td>
<td>Narrative Film Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 4331</td>
<td>Sports Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 4335</td>
<td>Documentary Writing and Production</td>
</tr>
<tr>
<td></td>
<td>MMFP 4791</td>
<td>Multimedia Film or Production Internship (requires 2.75 GPA)</td>
</tr>
<tr>
<td></td>
<td>MMFP 4891</td>
<td>Directed Multimedia Study</td>
</tr>
</tbody>
</table>

Communication Arts Electives

Contact

Department of Literature and Philosophy/Department of Communication Arts
(912) 478-5471

Advisement

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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 4330 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

General Electives
Select at least 2 courses in one area of study with Advisor approval

Total Credit Hours 124

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

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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) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18
- COMM 1110 Public Speaking
- COMM 2332 Media and Society
- COMS 2330 Introduction to Communication Research
- MMFP 2331 Multi-Camera Production
- MMFP 2336 Audio Production and Sound Design
- MMJ 2331 Introduction to Journalism

Select one of the following:
- Foreign Language - Intermediate Level (FORL 2001)
- INTS 2130 Introduction to International Studies

Major Requirements 27
- COMM 3337 Mass Communication Law
- COMM 3530 Media Ethics
- COMM 4330 History of Mass Communication
- COMM 5333 Theories of Mass Communication
- MMJ 3100 News Reporting and Writing I
- MMJ 3200 News Reporting and Writing II
MMJ 3334 Audio Production for Journalists  
or MMJ 3335 Copy Editing
MMJ 3631 Fundamentals of Multimedia Journalism
MMJ 4190 Multimedia Journalism Applications
MMJ 4339 Public Affairs Reporting

**Major Electives**  
Select five upper-division electives from the following courses:

COMM 3336 International Media Systems  
COMM 3430 Media Management and Sales  
COMM 3431 Digital Media Entrepreneurship  
COMM 4334 Advanced Law and Ethics  
MMFP 3331 Single Camera Production  
MMFP 3431 Broadcast Performance  
MMFP 3436 Advanced Audio Production  
MMFP 3437 Digital Media Post Production  
MMJ 3030 Selected Topics in Multimedia Journalism  
MMJ 3332 Feature Writing  
MMJ 3711 Multimedia Journalism Practicum  
MMJ 3333 Photojournalism  
MMJ 4332 Sports Journalism  
MMJ 4333 Opinion Journalism  
MMJ 4334 Magazine Writing and Editing  
MMJ 4336 Digital Journalism  
MMJ 4337 STEM Journalism  
MMJ 4791 Multimedia Journalism Internship  
MMJ 4831 Directed Study in Multimedia Journalism

*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

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**Other Program Requirements**

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

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**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**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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**Public Relations 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**  
Credit Hours 4

**Area F - Courses Appropriate to Major**  
Credit Hours 15

- COMM 1100 Human Communication  
or COMS 2330 Introduction to Communication Research
- COMM 1110 Public Speaking  
- COMM 2332 Media and Society  
- COMS 2330 Introduction to Communication Research  
or IT 1230 Introduction to Web Technologies  
or MMFP 2331 Multi-Camera Production  
or THEA 2332 Stagecraft  
- MMJ 2331 Introduction to Journalism

Select one of the following:

- Foreign Language - through 2001  
- Significant International Content Course
Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMJ 3100</td>
<td>News Reporting and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3100</td>
<td>Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3330</td>
<td>Public Relations Writing</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3711</td>
<td>Public Relations Practicum</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 4330</td>
<td>Public Relations Research</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 4339</td>
<td>Public Relations Campaign Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 4791 or PRCA 4335</td>
<td>Public Relations Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one COMS Upper Division Course  
Select two Upper Division PRCA courses  
Select one from the following media elective courses:  
MMJ 3000+  
MMJ 3200  
MMJ 3335  
MMJ 3631  
MMJ 4336  
PRCA 3339  
Select two of the following theory/law elective courses:  
COMM 3337  
COMM 5333  
COMS 3337  
COMS 4333  
COMS 5330  
Select 3 credit hours from the following:  
Upper Division Elective from COMM, COMS, FILM, MMFP, MMJ, PRCA, or THEA  
Courses in Related Areas (Choose from Option A or Option B)  
Option A  
MKTG 3131 Principles of Marketing  
MKTG 3132 Principles of Advertising  
Option B  
MMJ 3000-  
MMJ 3332 Feature Writing  

General Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select 14 credit hours of General Electives</td>
<td>14</td>
</tr>
</tbody>
</table>

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.
- Students wishing to also double major or minor in Multimedia Journalism (MMJ) must consult with their advisor regarding additional course requirements.

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.

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Public Relations Minor

Prerequisite(s)

Required Prerequisites

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

Total Credit Hours 6

Minor Program

Minor Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 3337</td>
<td>Mass Communication Law</td>
<td>6</td>
</tr>
<tr>
<td>PRCA 3100</td>
<td>Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3330</td>
<td>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>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

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

Advisement

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Theatre B.A.

Degree Requirements: 124 Credit Hours

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
<td>42</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>
THEA 1100  Theatre Appreciation
or THEA 2410  Oral Interpretation
THEA 2300  Script Analysis
THEA 2332  Stagecraft
THEA 2333  Acting I: Fundamentals of Acting
Foreign Language 2001 - Intermediate I
Foreign Language 2002 - Intermediate II
If a students tests out of Foreign Language 2001 and/or 2002, the student must take 3-6 credits from the following:
ART 1000  Art in Life
ARTH 2531  Art History I
ARTH 2532  Art History II
FILM 2200  Introduction to Cinema
INTS 2130  Introduction to International Studies
MMFP 2331  Multi-Camera Production
MMFP 2336  Audio Production and Sound Design
MUSC 1100  Music Appreciation
MUSC 1513  Aural Skills I
MUSC 1514  Aural Skills II

Major Requirements 36
Specific Requirements:
THEA 2711  Theatre Practicum
THEA 3200  Stage Design Concepts
THEA 3230  Voice for the Stage
THEA 3337  Play Directing
THEA 3711  Practicum: Professional Development
THEA 4330  Theatre History I: Origins to 1700
THEA 4331  Theatre History II: 1700 to Contemporary
THEA 4711  Practicum: Capstone
Select one from the following Upper Division Design Courses:
THEA 4335  Scene Design
THEA 4336  Lighting Design
THEA 4337  Costume Design
Select 15 credit hours from the following:
COMS 3336  Introduction to Performance Studies
COMS 4336  Performance, Culture, Communication
MMFP 3335  Lighting and Cinematography
MMFP 3436  Advanced Audio Production
MMFP 3437  Digital Media Post Production
THEA 3030  Selected Topics in Theatre
THEA 3131  Stage Makeup
THEA 3231  Movement for the Actor
THEA 3233  Audition and the Business of Acting
THEA 3234  Acting for the Screen
THEA 3330  Acting II: Scene Study
THEA 3332  African American Theatre
THEA 3333  Irish Theatre
THEA 3336  Theatre Management
THEA 3338  Rehearsal and Performance
THEA 3500  Musical Theatre Voice (2hr)
THEA 3501  Musical Theatre Voice II (2hr)
THEA 3503  Creative Dramatics
THEA 3504  Musical Theatre Dance Choreography
THEA 3505  Theatre Dance Techniques
THEA 3506  Theatre Management II: Marketing the Arts
THEA 3509  Play Production
THEA 3760  Scene Painting
THEA 3850  Problems in Design
THEA 4030  Children's Theatre Tour
THEA 4332  Children's Theatre and Storytelling
THEA 4333  Acting III: Styles
THEA 4334  Drama in Performance
THEA 4335  Scene Design
THEA 4336  Lighting Design
THEA 4337  Costume Design
THEA 4338  Seminar: World Theatre
THEA 4430  Acting for the Screen II: Advanced Techniques
THEA 4500  Advanced Lighting Design
THEA 4501  Stagecraft II
THEA 4503  Stage Managers and Designers Lab (2hr)
THEA 4505  Acting IV: Shakespearean Styles
THEA 4750  Internship
THEA 4831  Directed Study in Theatre
THEA 4980  Directing Lab (2hr)
THEA 5550  Playwriting

Electives 9
Select 9 credit hours of Electives

Minor - Required 15
Select 15 credit hours of Minor

Total Credit Hours 124

Other Program Requirements
- Students must make a minimum grade of “C” in each Communication Arts class to receive credit for that course.
- If a student tests out of FORL 2001 and/or 2002, the student will select 3-6 additional hours, as appropriate, and as approved by the advisor and the department.

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>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 3337</td>
</tr>
<tr>
<td>THEA 4330</td>
</tr>
<tr>
<td>THEA 4331</td>
</tr>
<tr>
<td>THEA 4335</td>
</tr>
<tr>
<td>THEA 4336</td>
</tr>
<tr>
<td>THEA 4337</td>
</tr>
</tbody>
</table>
Advisement

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Theatre Minor

Prerequisite Minor

<table>
<thead>
<tr>
<th>Required Prerequisite(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 1100 Theatre Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 3

Minor Program

<table>
<thead>
<tr>
<th>Minor Program Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2300 Script Analysis</td>
<td>15</td>
</tr>
<tr>
<td>or THEA 2332 Stagecraft</td>
<td></td>
</tr>
<tr>
<td>or THEA 2333 Acting I: Fundamentals of Acting</td>
<td></td>
</tr>
<tr>
<td>THEA Upper Division courses</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

1. These classes serve as prerequisites 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. THEA 2300 is a prerequisite for THEA 3337, THEA 4330, THEA 4331, THEA 4335, THEA 4336, and THEA 4337. THEA 2332 is a prerequisite for THEA 3200, THEA 4335, THEA 4336, and THEA 4337. THEA 2333 is a prerequisite THEA 3234, THEA 3330, THEA 4333, and THEA 4505 Pre-Req Acting II, Acting III, and Acting IV.

Contact

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Sanford Hall
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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—in 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 demonstrate Advanced-Low Proficiency in speaking and writing as defined by ACTFL. The student who has reached the Advanced-Low proficiency level demonstrates the ability to narrate, describe, explain, report, and opine in all major time frames in paragraph-length discourse and to handle a situation with a complication, and they are able to do so with native speakers of the language, including those unaccustomed to dealing with non-natives.

Programs

Majors

- Modern Languages B.A. (Concentration in Arabic) (p. 67)
- Modern Languages B.A. (Concentration in Chinese) (p. 67)
- Modern Languages B.A. (Concentration in French) (p. 68)
- Modern Languages B.A. (Concentration in German) (p. 69)
- Modern Languages B.A. (Concentration in Japanese) (p. 70)
- Modern Languages B.A. (Concentration in Latin) (p. 71)
- Modern Languages B.A. (Concentration in Spanish) (p. 71)

Minors

- Arabic Minor (p. 63)
- Chinese Minor (p. 64)
- Comparative Literature Minor (p. 64)
- Foreign Language Minor (p. 64)
- French Minor (p. 65)
- German Minor (p. 65)
- Japanese Minor (p. 65)
- Latin American Studies Minor (p. 66)
- Latin Minor (p. 66)
- Spanish Minor (p. 66)

Certificates

No results were found.

Arabic Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1001 Elementary Arabic I</td>
<td>12</td>
</tr>
<tr>
<td>ARAB 1002 Elementary Arabic II (or equivalents)</td>
<td></td>
</tr>
</tbody>
</table>

Spanish Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Prerequisite(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1002 Elementary Arabic II (or equivalents)</td>
<td>12</td>
</tr>
</tbody>
</table>

French Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Prerequisite(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1002 Elementary Arabic II (or equivalents)</td>
<td>12</td>
</tr>
</tbody>
</table>

German Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Prerequisite(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1002 Elementary Arabic II (or equivalents)</td>
<td>12</td>
</tr>
</tbody>
</table>
Indian Minor

All courses must be in the same language

Minor Program

Course Requirements

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

Total Credit Hours

15

Contact

Department of Foreign Languages
912-478-5282 or 912-478-1381
http://GeorgiaSouthern.edu/foreignlanguages

Statesboro Campus: IAB 2048, Box 8081
950 I.T. Drive; Statesboro, GA 30460

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Comparative Literature Minor

Minor Program

Credit Hours

As approved by the Comp. Lit. advisor or dept. chair, 15 credit hours of courses related to literature, six of which must be in COML or FORL. Courses must be at the 3000/4000/5000 level and may come from prefixes such as ARAB, CHIN, ENGL, FREN, GRMN, JAPN, LATN, SPAN, THEA, FILM, or others, as approved.

No more than six credit hours may be in the same prefix.

No more than three credit hours may be in the prefix of the major concentration.

Total Credit Hours

15

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Foreign Language Minor

Prerequisite(s)

Prerequisite Requirements

All courses must be in the same language

FORL 1090 Selected Topics in Foreign Languages (Elementary Language I)
FORL 1090 Selected Topics in Foreign Languages (Elementary Language II)
FORL 2090 Intermediate Foreign Language (Intermediate Language I)
FORL 2090 Intermediate Foreign Language (Intermediate Language II)

Total Credit Hours

12

Minor Program

Course Requirements

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

Total Credit Hours

15

Contact

Department of Foreign Languages
912-478-5282 or 912-478-1381
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950 I.T. Drive; Statesboro, GA 30460
Armstrong Campus: Gamble Hall 105
11935 Abercorn St.; Savannah, GA 31419

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French Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Prerequisite Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>FREN 1001 Elementary French I &amp; FREN 1002 and Elementary French II</td>
<td></td>
</tr>
<tr>
<td>FREN 1060 Accelerated Elementary French</td>
<td></td>
</tr>
<tr>
<td>FREN 2001 Intermediate French I &amp; FREN 2002 and Intermediate French II (or equivalent)</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>6</td>
</tr>
</tbody>
</table>

Minor Program

<table>
<thead>
<tr>
<th>Minor Program Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN - Fifteen upper-division credit hours (Students must earn a minimum grade of “C” in each course in French.)</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

Contact
Department of Foreign Languages
912-478-5282 or 912-478-1381
http://GeorgiaSouthern.edu/foreignlanguages

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950 I.T. Drive; Statesboro, GA 30460
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German Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Prerequisite Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>GRMN 1001 Elementary German I &amp; GRMN 1002 and Elementary German II</td>
<td></td>
</tr>
<tr>
<td>GRMN 1060 Accelerated Elementary German</td>
<td></td>
</tr>
<tr>
<td>GRMN 2001 Intermediate German I &amp; GRMN 2002 and Intermediate German II (or equivalent)</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>6</td>
</tr>
</tbody>
</table>

Minor Program

<table>
<thead>
<tr>
<th>Minor Program Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRMN - Fifteen upper-division credit hours (Students must earn a minimum grade of “C” in each course in German.)</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

Contact
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Japanese Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Prerequisite Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAPN 1001 Elementary Japanese I</td>
<td></td>
</tr>
<tr>
<td>JAPN 1002 Elementary Japanese II (or equivalents)</td>
<td></td>
</tr>
<tr>
<td>JAPN 2001 Intermediate Japanese I</td>
<td></td>
</tr>
<tr>
<td>JAPN 2002 Intermediate Japanese II (or equivalents)</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>12</td>
</tr>
</tbody>
</table>
**Latin American Studies Minor**

**Minor Program**

**Minor Program Requirements**

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

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

Total Credit Hours 15

**Contact**

Department of Foreign Languages  
912-478-5282 or 912-478-1381  
http://GeorgiaSouthern.edu/foreignlanguages

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**Latin Minor**

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

Select one of the following:

- SPAN 1001  
- SPAN 1002  
- SPAN 1060

Select one of the following:

- SPAN 2001  
- SPAN 2002  
- SPAN 2060

Total Credit Hours 12

**Minor Program**

**Minor Program Requirements**

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

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

Total Credit Hours 15

**Contact**

Department of Foreign Languages  
912-478-5282 or 912-478-1381  
http://GeorgiaSouthern.edu/foreignlanguages

Statesboro Campus: IAB 2048, Box 8081  
950 I.T. Drive; Statesboro, GA 30460

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**Spanish Minor**

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

Select one of the following:

- SPAN 1001  
- SPAN 1002  
- SPAN 1060

Select one of the following:

- SPAN 2001  
- SPAN 2002  
- SPAN 2060

Total Credit Hours 12

**Minor Program**

**Minor Program Requirements**

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

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

Total Credit Hours 15

**Contact**

Department of Foreign Languages  
912-478-5282 or 912-478-1381  
http://GeorgiaSouthern.edu/foreignlanguages

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Armstrong Campus: Gamble Hall 105
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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.

| Credit Hours | General Requirements (Core Area A - E) | 42 |
| Credit Hours | Additional Requirements | 4 |

Area F - Courses Appropriate to Major

Required:

| Credit Hours | ARAB 2001 Intermediate Arabic I |
| Credit Hours | ARAB 2002 Intermediate Arabic II |

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:

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

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

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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.

| Credit Hours | General Requirements (Core Area A - E) | 42 |
| Credit Hours | Additional Requirements | 4 |

Area F - Courses Appropriate to Major

Required:

| Credit Hours | CHIN 2001 Intermediate Chinese I |
| Credit Hours | CHIN 2002 Intermediate Chinese II |

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
- 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
- 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
24 additional upper-division credit hours in CHIN.

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).

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
- ARAB 2001 Intermediate Arabic I
- ARAB 2002 Intermediate Arabic II
- CHIN 1001 Elementary Chinese I
- CHIN 1002 Elementary Chinese II
- CHIN 2001 Intermediate Chinese I
- CHIN 2002 Intermediate Chinese II
- FORL 1090 Selected Topics in Foreign Languages
- FORL 2090 Intermediate Foreign Language
- FREN 1001 Elementary French I
- FREN 1002 Elementary French II
- 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

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
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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>General Requirements (Core Area A - E)</th>
<th>42</th>
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<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
</tr>
<tr>
<td>Required:</td>
<td>0-6</td>
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<tr>
<td>FREN 2001 Intermediate French I</td>
<td>6</td>
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<tr>
<td>&amp; FREN 2002 Intermediate French II</td>
<td></td>
</tr>
<tr>
<td>or FREN 2060 Accelerated Intermediate French</td>
<td></td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
</tr>
</tbody>
</table>

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.

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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>
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<tr>
<th>General Requirements (Core Area A - E)</th>
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<td>Additional Requirements</td>
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<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>Required:</td>
<td>0-6</td>
</tr>
<tr>
<td>FREN 2001 Intermediate French I</td>
<td>6</td>
</tr>
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<td>&amp; FREN 2002 Intermediate French II</td>
<td></td>
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<tr>
<td>or FREN 2060 Accelerated Intermediate French</td>
<td></td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
</tr>
</tbody>
</table>

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
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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>
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<tr>
<th>General Requirements (Core Area A - E)</th>
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<tr>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
</tr>
<tr>
<td>Required:</td>
<td>0-6</td>
</tr>
<tr>
<td>FREN 2001 Intermediate French I</td>
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<tr>
<td>&amp; FREN 2002 Intermediate French II</td>
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<td>or FREN 2060 Accelerated Intermediate French</td>
<td></td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
</tr>
</tbody>
</table>

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
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Undergraduate Catalog

JAPN 2002 Intermediate 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
24 upper-division credit hours in FREN

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 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

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Modern Languages B.A. (Concentration in German)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A - 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: 0-6

GRMN 2001 Intermediate German I
& GRMN 2002 and Intermediate German II
or GRMN 2060 Accelerated Intermediate German

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 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
CHIN 2001 Intermediate Chinese I
CHIN 2002 Intermediate Chinese II
FORL 1090 Selected Topics in Foreign Languages
FORL 2090 Intermediate Foreign Language
FREN 1001 Elementary French I
FREN 1002 Elementary French II
FREN 2001 Intermediate French I
FREN 2002 Intermediate French II
GRMN 1001 Elementary German I
GRMN 1002 Elementary 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
24 upper-division credit hours in GRMN

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 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**
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**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>
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<tbody>
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<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>
<tr>
<td>Required:</td>
<td>JAPN 2001 Intermediate Japanese I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>JAPN 2002 Intermediate Japanese II</td>
<td>3</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
<td></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
- 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

**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**
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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>
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<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>LATN 2001 Intermediate Latin I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LATN 2002 Intermediate Latin II</td>
<td>3</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
<td></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
- 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
- JAPN 2001 Intermediate Japanese I
- JAPN 2002 Intermediate Japanese II
- LATN 1001 Elementary Latin I
- LATN 1002 Elementary 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

- 24 additional upper-division credit hours in LATN.

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

Total Credit Hours: 124

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.

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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>
<th>General Requirements (Core Area 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>Required:</td>
<td>SPAN 2001 Intermediate Spanish I</td>
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<td></td>
<td>SPAN 2002 Intermediate Spanish II</td>
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<td></td>
<td>SPAN 2060 Accelerated Intermediate Spanish</td>
<td>2060</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-18</td>
<td></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
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.

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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.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
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<td>FYE 1220</td>
<td>2</td>
<td>HIST 2110</td>
<td>3</td>
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<tr>
<td>FL 1001 (Elementary I (or Area F Elective))</td>
<td>3</td>
<td>FL 1002 (Elementary II (or Area F Elective))</td>
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<tr>
<td>Area A2 - Math</td>
<td>3</td>
<td>Area D1 - Science #1 Lecture</td>
<td>3</td>
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<tr>
<td>Area B - HIST 1111/1112: World History I/II</td>
<td>3</td>
<td>Area D1 - Science #1 Lab</td>
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<tr>
<td>Area F - Area F Elective</td>
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<td>Area D2 - Area F Elective</td>
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<th>Spring</th>
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<td>POLS 1101</td>
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<td>CORE 2000</td>
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<td>FL 2001 (Intermediate I)</td>
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<td>KINS 1525</td>
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<td>Area C - ENGL 2111/2112 or PHIL 2030/2010</td>
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<td>FL 2002 (Intermediate II)</td>
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<tr>
<td>Area D1 - Science #2 Lecture</td>
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<td>Area A - Area B Elective</td>
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<tr>
<td>Area D1 - Science #2 Lab</td>
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<td>Area C - Area C Elective</td>
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<td>Area E - Area E Elective</td>
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<td>Area D2 - Area D Elective</td>
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</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th>Fall</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL 3000+ (Upper-Division Language Class)</td>
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<td>FL 3000+ (Upper-Division Language Class)</td>
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<tr>
<td>FL 3000+ (Upper-Division Language Class)</td>
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</tr>
<tr>
<td>Minor/2nd Major Course</td>
<td>3</td>
<td>Minor/2nd Major Course</td>
<td>3</td>
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</tr>
</tbody>
</table>

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.
Minor/2nd Major Course  3  
General Elective/2nd Major Class  3  

15  15

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
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<td>Fall</td>
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<td></td>
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<td>Minor/2nd Major Course</td>
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<td>Minor/2nd Major Course</td>
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<tr>
<td>General Elective/2nd Major Class</td>
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<td>General Elective/2nd Major Class</td>
<td>3</td>
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<tr>
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<tr>
<td>Total Credit Hours</td>
<td>124</td>
<td>Total Credit Hours</td>
<td>124</td>
</tr>
</tbody>
</table>

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

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. 75)

Minors
- Digital Humanities Interdisciplinary Minor (p. 73)
- History Minor (p. 76)

Certificates
- European Union Studies Certificate (p. 74)

Asian Studies Interdisciplinary Concentration

Concentration Program

Course Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
</tr>
<tr>
<td>Select 15 credit hours from the following: ¹</td>
<td></td>
</tr>
<tr>
<td>HIST/INTS 3532</td>
<td>The Modern Middle East</td>
</tr>
<tr>
<td>HIST/INTS 3534</td>
<td>Modern Southeast Asia</td>
</tr>
<tr>
<td>HIST/INTS 5531</td>
<td>Modern Japan</td>
</tr>
<tr>
<td>HIST/INTS 5532</td>
<td>Modern China</td>
</tr>
<tr>
<td>HIST 5533</td>
<td>Economic Rivals: US-Japan</td>
</tr>
<tr>
<td>JAPN 3331</td>
<td>Japanese Culture II</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Digital Humanities Interdisciplinary Minor

Minor Program

Required Courses:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3231</td>
<td>Introduction to Public History</td>
</tr>
<tr>
<td>HUMN 3431</td>
<td>Digital Humanities</td>
</tr>
<tr>
<td>HUMN 4631</td>
<td>Capstone Project for Digital Humanities</td>
</tr>
</tbody>
</table>

Electives:

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):

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1010</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ART 1020</td>
<td>2D Art and Design Foundations</td>
</tr>
<tr>
<td>ART 1030</td>
<td>3D Art and Design Foundations</td>
</tr>
<tr>
<td>ART 1132</td>
<td>Digital Art and Design Foundations</td>
</tr>
<tr>
<td>ART 1536</td>
<td>Animation I</td>
</tr>
<tr>
<td>ART 2235</td>
<td>Digital Dimensions</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>
</tbody>
</table>
ART 2332    Design Theory I
ART 2335    Photographic Imaging I
ART 2430    Print, Paper, Book Arts: Introduction
ART 2536    Animation II
ART 3330    New Media Design
ART 3335    Photographic Imaging II
ART 3536    Video & Motion Graphics
ART 3537    Installation & Interactivity
COMM 2332    Media and Society
COMM 3336    International Media Systems
COMM 3431    Digital Media Entrepreneurship
COMM 4332    Contemporary Communication Application
FILM 3332    Documentary Film
HUMN 3731    Digital Humanities Internship
MMFP 2331    Multi-Camera Production
MMFP 2335    Introduction to Media Writing
MMFP 2336    Audio Production and Sound Design
MMFP 3030    Selected Multimedia Topics
MMFP 3132    Studio Production
MMFP 3437    Digital Media Post Production
MMJ 2331    Introduction to Journalism
MMJ 3333    Photojournalism
MMJ 3631    Fundamentals of Multimedia Journalism
MMJ 4336    Digital Journalism
MMJ 4337    STEM Journalism
MUSC 1515    Technology in Music
MUSC 4534    Recording Studio Techniques
MUSC 4535    Digital Audio Workstations
PHIL 3200    Technology, Society and Human Values
PRCA 3100    Introduction to Public Relations
THEA 2332    Stagecraft
THEA 2333    Acting I: Fundamentals of Acting
THEA 3200    Stage Design Concepts

The program offers a common curriculum open to all university system institutions.

Note: A 3.0 GPA in certificate courses is required.

Select one of the following:  

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>EURO 3234</td>
<td>Introduction to the European Union</td>
</tr>
<tr>
<td></td>
<td>or POLS 3234</td>
<td>Introduction to the European Union</td>
</tr>
</tbody>
</table>

Select nine credit hours from the following multidisciplinary list

Each course must have at least a 25% EU component.
One course must have the European Union (EURO) prefix.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>BIOL 3100</td>
<td>People and the Environment</td>
</tr>
<tr>
<td></td>
<td>ECON 3100</td>
<td>Multinational Econ Enterprises</td>
</tr>
<tr>
<td></td>
<td>ECON 3132</td>
<td>International Trade</td>
</tr>
<tr>
<td></td>
<td>ECON 4337</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td></td>
<td>HIST 3338</td>
<td>Contemporary Europe</td>
</tr>
<tr>
<td></td>
<td>HIST 3431</td>
<td>Modern Britain: 1485 to the Present</td>
</tr>
<tr>
<td></td>
<td>HIST 3432</td>
<td>Modern Germany</td>
</tr>
<tr>
<td></td>
<td>HIST 3434</td>
<td>Modern European Thought</td>
</tr>
<tr>
<td></td>
<td>HIST 3533</td>
<td>Modern East Central Europe</td>
</tr>
<tr>
<td></td>
<td>HIST 4335</td>
<td>Women and Gender in Europe</td>
</tr>
<tr>
<td></td>
<td>HIST 5339</td>
<td>Britain and the World</td>
</tr>
<tr>
<td></td>
<td>HIST 5430</td>
<td>Modern France and French Society in Global Context</td>
</tr>
<tr>
<td></td>
<td>HIST 5533</td>
<td>Economic Rivals: US-UK-Japan</td>
</tr>
<tr>
<td></td>
<td>POLS 3340</td>
<td>Pol &amp; Ideol/Contemporary Euro</td>
</tr>
<tr>
<td></td>
<td>EURO 3990</td>
<td>Topics in European Union Studies</td>
</tr>
<tr>
<td></td>
<td>EURO 4130</td>
<td>European Law and Legal Systems</td>
</tr>
<tr>
<td></td>
<td>EURO 4160</td>
<td>Federalism and Multilevel Governance in the EU</td>
</tr>
<tr>
<td></td>
<td>EURO 4230</td>
<td>Doing Business in the European Union and United States</td>
</tr>
<tr>
<td></td>
<td>EURO 4260</td>
<td>European Monetary Union</td>
</tr>
<tr>
<td></td>
<td>EURO 4330</td>
<td>Science and Technology Policy</td>
</tr>
<tr>
<td></td>
<td>EURO 4430</td>
<td>EU Environmental Policy</td>
</tr>
<tr>
<td></td>
<td>EURO 4530</td>
<td>European Social Policy</td>
</tr>
<tr>
<td></td>
<td>EURO 4630</td>
<td>EU Communications and Media</td>
</tr>
<tr>
<td></td>
<td>EURO 4730</td>
<td>EU Foreign Policy</td>
</tr>
<tr>
<td></td>
<td>EURO 4760</td>
<td>US-EU Relations</td>
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</table>

Capstone Seminar:

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
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<td>EURO 4500</td>
<td>Seminar in Euro Union Studies</td>
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<tr>
<td></td>
<td>or EURO 4830</td>
<td>EU Studies Capstone Course</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

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.

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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.

Admission Requirements

A certificate in EU Studies can be taken in tandem with a formal degree program. Students from all academic majors are eligible to participate as long as they possess a minimum 2.75 cumulative GPA. A student may formally apply to enroll in the program after successful completion of the following:

- EURO 3234 or POLS 3234 with a grade of C or better
- 30 semester hours of academic credit
- HIST 1111 or HIST 1112
Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

History 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 |
| Area F - Courses Appropriate to Major | 18 |

Additional Requirements

| Foreign Language 2001 - Intermediate I |
| Foreign Language 2002 - Intermediate II |
| HIST 1111 World History I: Development of World Civilization |
| HIST 1112 World History II: Emergence of Modern Global Community |
| HIST 2110 U.S. A Comprehensive Survey |
| HIST 2111 History of the United States to 1877 |
| HIST 2112 Survey of US History II |
| HIST 2630 Historical Methods |

Select 6-12 credit hours from the following:

| ANTH 1102 Introduction to Anthropology |
| GEOG 1130 World Regional Geography |
| PHIL 2010 Introduction to Philosophy |
| PSYC 1101 Introduction to Psychology |
| RELS 2130 Introduction to Religious Studies |
| SOCI 1101 Introduction to Sociology |

Major Requirements

| Foreign Language 1002 (If not take in Core) | 3 |
| HIST 4635 Senior Seminar (Prerequisite HIST 2630) | 3 |

Select six or seven of the following: 18-21

<p>| HIST 3020 The African Diaspora |
| HIST 3030 Selected Topics in History |
| HIST 3050 Ethics and Values in History |
| HIST 3130 African American History to 1865 |
| HIST 3131 African American History since 1865 |
| HIST 3132 Young Republic, 1788-1848 |
| HIST 3133 United States Constitutional History |
| HIST 3134 American Economic History |
| HIST 3135 US Foreign Relations to World War I |
| HIST 3136 US Foreign Relations since World War I |
| HIST 3139 History of Religion in the U.S. |
| HIST 3150 The History of Vietnam, 236 B.C. to Present |
| HIST 3151 The American War in Vietnam |
| HIST 3158 War and Society: A Global Perspective |
| HIST 3200 Traditional China |
| HIST 3225 History of Ancient Near East |
| HIST 3230 American Military History |
| HIST 3231 Introduction to Public History |
| HIST 3233 The Early Church |
| HIST 3234 The History of Islam in Southeast Asia |
| HIST 3236 History of Latinos/as in the United States |
| HIST 3250 The Muslim World to 1400 |
| HIST 3251 The Muslim World since 1250 |
| HIST 3320 History of Russian and Soviet Foreign Policy |
| 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 |
| HIST 3338 Contemporary Europe |
| HIST 3350 Maritime History |
| HIST 3352 Israel/Palestine in its Middle Eastern Context |
| HIST 3354 Maritime Archaeology |
| HIST 3431 Modern Britain: 1485 to the Present |
| HIST 3432 Modern Germany |
| HIST 3434 Modern European Thought |
| HIST 3436 The Holocaust |
| HIST 3530 History of Africa to 1800 |
| HIST 3531 History of Africa since 1800 |
| HIST 3532 The Modern Middle East |
| HIST 3533 Modern East Central Europe |
| HIST 3534 Modern Southeast Asia |
| HIST 3536 Modern Russia |
| HIST 3537 Colonial Latin America |
| HIST 3538 Latin America since Independence |
| HIST 3580 Environmental History |
| HIST 3630 History Seminar |
| HIST 3700 American Material Culture |
| HIST 3720 Historical Archaeology |
| HIST 3740 Women &amp; Gender in Amer Hist |
| HIST 3760 US History 1877-1917 |
| HIST 3770 US History 1917-1945 |
| HIST 3920 Modern Amer Popular Culture |
| HIST 3990 Fieldwork in History |
| HIST 4030 Directed Study in History |
| HIST 4110 Medieval Spain |
| HIST 4120 American Intellectual History |
| HIST 4130 Georgia History |
| HIST 4131 Biography and History |
| HIST 4132 Recent America: U.S. Since 1945 |
| HIST 4133 US Foreign Relations: The Cold War |
| HIST 4134 The Civil Rights Movement |
| HIST 4135 The United States in the 1960s |
| HIST 4230 The Renaissance |
| HIST 4235 Tudor and Stuart Britain |
| HIST 4335 Women and Gender in Europe |
| HIST 4336 Science and Religion |
| HIST 4431 Invasion of the Americas |
| HIST 4432 Colonial America |
| HIST 4530 Revelation and Revolution |
| HIST 4531 World War I |</p>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>HIST 4532</td>
<td>Destruction of Slavery</td>
</tr>
<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>
</tr>
<tr>
<td>HIST 5130</td>
<td>American Indian History</td>
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<tr>
<td>HIST 5133</td>
<td>Revolutionary America</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>
</tr>
<tr>
<td>HIST 5210</td>
<td>Advanced Topics in Public History</td>
</tr>
<tr>
<td>HIST 5230</td>
<td>Advertising and Culture</td>
</tr>
<tr>
<td>HIST 5232</td>
<td>Working Class History in the United States</td>
</tr>
<tr>
<td>HIST 5233</td>
<td>The American City</td>
</tr>
<tr>
<td>HIST 5234</td>
<td>Piracy in the Americas, 1500-1750</td>
</tr>
<tr>
<td>HIST 5236</td>
<td>Age of Revolutions in Europe and the Atlantic World</td>
</tr>
<tr>
<td>HIST 5240</td>
<td>Topics in Women and Gender in America</td>
</tr>
<tr>
<td>HIST 5241</td>
<td>Topics in Latin American History</td>
</tr>
<tr>
<td>HIST 5242</td>
<td>Topics in African History</td>
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<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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<td>HIST 5246</td>
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<td>HIST 5247</td>
<td>Topics in European Intellectual and Cultural History</td>
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<td>HIST 5248</td>
<td>Topics in Law and History</td>
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<td>HIST 5249</td>
<td>Topics in American Thought and Culture</td>
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<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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<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>
</tr>
<tr>
<td>HIST 5257</td>
<td>Heritage Tourism</td>
</tr>
<tr>
<td>HIST 5258</td>
<td>Topics in African American History</td>
</tr>
<tr>
<td>HIST 5259</td>
<td>Topics in British History</td>
</tr>
<tr>
<td>HIST 5260</td>
<td>History in the Digital Age</td>
</tr>
<tr>
<td>HIST 5332</td>
<td>The Age of Reformations</td>
</tr>
<tr>
<td>HIST 5335</td>
<td>World War II</td>
</tr>
<tr>
<td>HIST 5336</td>
<td>Revolutionary France</td>
</tr>
<tr>
<td>HIST 5339</td>
<td>Britain and the World</td>
</tr>
<tr>
<td>HIST 5430</td>
<td>Modern France and French Society in Global Context</td>
</tr>
<tr>
<td>HIST 5530</td>
<td>20th Century Russia</td>
</tr>
<tr>
<td>HIST 5531</td>
<td>Modern Japan</td>
</tr>
<tr>
<td>HIST 5532</td>
<td>Modern China</td>
</tr>
<tr>
<td>HIST 5533</td>
<td>Economic Rivals: US-UK-Japan</td>
</tr>
<tr>
<td>HIST 5534</td>
<td>Contemporary China</td>
</tr>
</tbody>
</table>

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.

### 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.)

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### History Minor

<table>
<thead>
<tr>
<th>Prerequisite Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1111 World History I: Development of World Civilization</td>
<td>6</td>
</tr>
<tr>
<td>or HIST 1112 World History II: Emergence of Modern Global Community</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course 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>
</tbody>
</table>
History Minor Requirements:

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2400</td>
<td>The American Military Experience</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2500</td>
<td>Explorations in History</td>
<td></td>
</tr>
<tr>
<td>HIST 2630</td>
<td>Historical Methods</td>
<td></td>
</tr>
</tbody>
</table>

12 additional hours at the 3000-5000 level 12

Total Credit Hours 15

2.0 GPA in History courses

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

Advisement

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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. 77)

Minors

• English Minor (p. 79)

English B.A.

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
Choose 3 credit hours from the following courses if not taken in Area C

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

Choose 9 credit hours from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2121</td>
<td>British Literature I</td>
</tr>
<tr>
<td>ENGL 2122</td>
<td>British Literature II</td>
</tr>
<tr>
<td>ENGL 2131</td>
<td>American Literature I</td>
</tr>
<tr>
<td>ENGL 2132</td>
<td>American Literature II</td>
</tr>
</tbody>
</table>

Foreign Language - through 2002

Choose 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)

A. British Literature pre-1700.

Please select one course from the options below:

<table>
<thead>
<tr>
<th>Course</th>
<th>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>
</tr>
</tbody>
</table>

B. British Literature post-1700

Please select one course from the options below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 5324</td>
<td>18th Century British Literature</td>
</tr>
<tr>
<td>ENGL 5525</td>
<td>19th Century British Literature</td>
</tr>
<tr>
<td>ENGL 5526</td>
<td>20th and 21st Century British Literature</td>
</tr>
</tbody>
</table>

C. American Literature

Please select one course from the options below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 5315</td>
<td>17th and 18th Century American Literature</td>
</tr>
<tr>
<td>ENGL 5325</td>
<td>19th Century American Literature</td>
</tr>
<tr>
<td>ENGL 5335</td>
<td>20th and 21st Century American Literature</td>
</tr>
</tbody>
</table>

AREA 2: Cultural Studies (6 credit hours) 6
ENGL 3025/COMM 5025  Pop Culture Theory and Criticism
ENGL/FILM 3030  Selected Topics in Cinema
ENGL 3090  Selected Topics in Literature
ENGL 3141  The Bible as Literature
ENGL 3150  Mythology
ENGL 3200  Introduction to the Novel
ENGL 3232  The Art of Film Adaptation of Literature
ENGL 3300  Introduction to Dramatic Literature
ENGL/FILM 3331  History of Cinema
ENGL/FILM 3332  Documentary Film Studies
ENGL/FILM 3333  Cinema Genres
ENGL 3350  Introduction to African American Literature
ENGL 3400  Introduction to Poetry
ENGL 3535  Patterns in Film and Literature
ENGL 4425  Popular Literature
ENGL 4435  Single Author
ENGL 4790  Internship
ENGL 4890  Independent Study
ENGL/COMM 5030  Television Theory and Criticism
ENGL/FILM 5035  Film Theory and Criticism
ENGL/FILM 5040  Women in Film
ENGL 5090  Special Topics
ENGL 5135  Teaching Literature to Middle and Secondary School Students
ENGL 5200  Postcolonial Literature
ENGL 5234  Literature of the American South
ENGL 5235  Irish Literature to 1850
ENGL 5236  Irish Literature Since 1850
ENGL 5238  Irish Women Writers
ENGL 5280  Literature and the Environment
ENGL 5320  History of the English Language
ENGL 5340  Literature by Women
ENGL 5533  Literary Criticism and Theory
ENGL 5534  Literature for Adolescents
ENGL 5535  Children's Literature
ENGL 5538  20th and 21st Century World Fiction
ENGL 5560  Studies in Drama
ENGL 5570  Studies in Fiction
ENGL 5580  Studies in Poetry
ENGL 5590  Studies in African American Literature

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

Electives  15
Select 15 credit hours of Electives

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

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.

Other Program Requirements
- Students must earn a minimum grade of "C" in all major courses.

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:
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English Minor

Prerequisite(s)

Prerequisite Course Requirements
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>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities</td>
</tr>
<tr>
<td>ENGL 2111</td>
<td>World Literature I</td>
</tr>
<tr>
<td>ENGL 2112</td>
<td>World Literature II</td>
</tr>
</tbody>
</table>

Minor Program

Course Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>15 hours of ENGL courses, at least 9 hours of which must be at the 3000-level or above.</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Literature, Dr. Beth Howells
Newton Building, Statesboro Campus . (912) 478-5471
Gamble Hall, Armstrong Campus . (912) 344-2867

Advisement

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Department of Music

Mission Statement

The Department of Music’s mission is to provide opportunities for studying, performing, and creating music within the context of a liberal arts education; to prepare students for careers in music-related fields; to enhance the cultural life of the campus and surrounding region; and to contribute to the preservation and expansion of our rich musical tradition through performance, composition, education, and research.

Requirements for All Music Degree Programs

Admission Requirements

All prospective music majors must pass an entrance audition in the appropriate applied area.

Performance Requirements

Each candidate for a music degree must complete applied music proficiency level requirements appropriate to the candidate’s specific degree plan, as well as fulfill other performance requirements consistent with the degree plan or individual course objectives.

Enrollment in any applied music course, including Junior Recital and Senior Recital, is by permission of the instructor and/or the Chair of the Department of Music.

A jury examination in the appropriate applied area will be taken during the examination week or shortly before the end of each semester. Students not majoring in music who take applied music lessons may take a jury examination upon the recommendation of the applied instructor.

Recital requirements: Prior to performing a graduation, junior, or senior recital, the candidate must pass a recital approval examination no fewer than three weeks before the recital date.

Group Piano Placement Examinations

A placement examination in piano is required of all transfer students. Freshman music majors with prior keyboard experience should also take the placement examination. A maximum of four credit hours of group piano is allowed toward graduation requirements.

Music Theory Placement Examinations

All students entering the music program will take the theory placement exam. Placement exam results are for advisement purposes only.

Music Major Progression Requirements

Music majors must earn a minimum grade of "C" for each music class that applies toward graduation in order to progress in the music program. Students earning less than a "C" grade in a sequential course offering may not take the next course in the sequence until the course is repeated and a grade of "C" or higher is earned. In addition, students must earn a minimum grade of "C" in a prerequisite course before taking an advanced course in the same subject area.

Music majors will be expelled from the degree program if they fail any individual required music course twice.

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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. 81)
- Music B.M. (Concentration in Composition) (p. 82)
- Music B.M. (Concentration in Instrumental Performance) (p. 82)
- Music B.M. (Concentration in Piano Performance) (p. 83)
- Music B.M. (Concentration in Voice Performance) (p. 84)
- Music Education B.M. (Concentration in Choral) (p. 84)
- Music Education B.M. (Instrumental) (p. 85)

Minors

- Music - Applied Minor (p. 80)
- Music - History and Literature Minor (p. 81)
• Music - Music Technology Minor (p. 81)
• Music Minor (p. 86)

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.

Credit Hours

Select 18 credit hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH/AAST</td>
<td>African Art</td>
<td>18</td>
</tr>
<tr>
<td>3435</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>American Art</td>
<td></td>
</tr>
<tr>
<td>3437</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>Art and Architecture of the Ancient World</td>
<td></td>
</tr>
<tr>
<td>3530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>Medieval Art</td>
<td></td>
</tr>
<tr>
<td>3531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>Italian Renaissance Art</td>
<td></td>
</tr>
<tr>
<td>3532</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>19th Century Art</td>
<td></td>
</tr>
<tr>
<td>3534</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>20th Century Art</td>
<td></td>
</tr>
<tr>
<td>4530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTH</td>
<td>Contemporary Art</td>
<td></td>
</tr>
<tr>
<td>4531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL</td>
<td>Patterns in Film and Literature</td>
<td></td>
</tr>
<tr>
<td>3535</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL</td>
<td>Single Author</td>
<td></td>
</tr>
<tr>
<td>4435</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FILM</td>
<td>Documentary Film</td>
<td></td>
</tr>
<tr>
<td>3332</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FILM</td>
<td>Cinema Genres</td>
<td></td>
</tr>
<tr>
<td>3333</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUMN</td>
<td>Classicism (only one 2000-level course may be included)</td>
<td></td>
</tr>
<tr>
<td>2433</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUMN</td>
<td>Myth in Arts and Humanities (only one 2000-level course may be included)</td>
<td></td>
</tr>
<tr>
<td>2434</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSA 3XXX</td>
<td>Applied Lessons (3 semesters)</td>
<td></td>
</tr>
<tr>
<td>MUSC 3131</td>
<td>History of Music I</td>
<td></td>
</tr>
<tr>
<td>MUSC 3132</td>
<td>History of Music II</td>
<td></td>
</tr>
<tr>
<td>MUSC 5231</td>
<td>Music in the Classic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5232</td>
<td>Music in the Romantic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5233</td>
<td>Music in the Contemporary Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5234</td>
<td>History of Opera</td>
<td></td>
</tr>
<tr>
<td>MUSC 5236</td>
<td>Jazz History</td>
<td></td>
</tr>
<tr>
<td>PHIL 3330</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
<tr>
<td>PHIL 3531</td>
<td>Theory of Knowledge</td>
<td></td>
</tr>
<tr>
<td>PHIL 3532</td>
<td>Metaphysics</td>
<td></td>
</tr>
<tr>
<td>PHIL 3635</td>
<td>Existentialism</td>
<td></td>
</tr>
<tr>
<td>PHIL/WGST</td>
<td>Feminist Philosophy</td>
<td></td>
</tr>
<tr>
<td>4130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 4632</td>
<td>Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td>RELS/HIST</td>
<td>History of Religion in the U.S.</td>
<td></td>
</tr>
<tr>
<td>3139</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RELS/HIST</td>
<td>The Early Church</td>
<td></td>
</tr>
<tr>
<td>3233</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RELS/HIST/ INTS 3250</td>
<td>The Muslim World to Tamerlane</td>
<td></td>
</tr>
<tr>
<td>RELS/HIST/ INTS 3251</td>
<td>The Muslim World Since Genghis Khan</td>
<td></td>
</tr>
<tr>
<td>RELS 3330</td>
<td>Introduction to the Hebrew Bible</td>
<td></td>
</tr>
</tbody>
</table>

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Music - Applied Minor

Minor Program

Credit Hours

Minor Program Requirements: 12 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 3XXX</td>
<td>Applied Lessons (3 semesters)</td>
<td>12</td>
</tr>
</tbody>
</table>

Music Theory

Choose one option:

Option 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1333</td>
<td>Music Fundamentals I (3)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1334</td>
<td>Music Fundamentals II (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Option 2:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1331</td>
<td>Music Theory I (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Three (3) elective credits in Music

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 1100</td>
<td>Recital Attendance (2 semesters)</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Ensembles (3 semesters)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Additional Minor Requirements/Recommendations

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.

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**Music - History and Literature Minor**

**Minor Program**

**Minor Program Requirements**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Music Theory</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choose one option:</td>
</tr>
<tr>
<td></td>
<td>Option 1:</td>
</tr>
<tr>
<td></td>
<td>MUSC 1333 Music Fundamentals I</td>
</tr>
<tr>
<td></td>
<td>MUSC 1334 Music Fundamentals II</td>
</tr>
<tr>
<td></td>
<td>Option 2:</td>
</tr>
<tr>
<td></td>
<td>MUSC 1331 Music Theory I</td>
</tr>
<tr>
<td></td>
<td>Three (3) elective credits in Music</td>
</tr>
<tr>
<td></td>
<td>MUSE 1100 Recital Attendance (2 semesters)</td>
</tr>
</tbody>
</table>

**Music Electives**

Select 9 credit hours from the following:

- MUSC 3131 History of Music I
- MUSC 3132 History of Music II
- MUSC 5234 History of Opera
- MUSC 5236 Jazz History

Total Credit Hours: 15

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**Music 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)**

Credit Hours: 42

**Additional Requirements**

Credit Hours: 4

Area F - Courses Appropriate to Major

Credit Hours: 18

- MUSC 1100 Music Appreciation (if not used for Area C)
- MUSC 1331 Music Theory I
- MUSC 1332 Music Theory II
- MUSC 1513 Aural Skills I
- MUSC 1514 Aural Skills II
- MUSC 1515 Technology in Music
- MUSC 2333 Music Theory III
- MUSC 2334 Music Theory IV

**Additional Music courses (if needed)**

Credit Hours: 0-3

**Major Requirements**

Credit Hours: 34

- MUSA 3XXX Applied Music (four semesters)
- MUSC 1511 Group Piano I ¹
- MUSC 1512 Group Piano II ¹
- MUSC 3132 History of Music II
- MUSC 4411 Basic Conducting

Choose appropriate option:

Option 1 (for Voice primaries):
- MUSC 2411 Diction for Singers I
- MUSC 2412 Diction for Singers II

Option 2 (for Keyboard and Instrumental primaries):
- MUSC XXXX Choose two credits of MUSC electives

Choose one:

- MUSC 3131 History of Music I
- MUSC 3334 Survey of Latin American Music
- MUSC 3335 History of Rock & Roll
- MUSC 3435 Imagine: The Music of the Beatles
- MUSC 5236 Jazz History
- MUSC 5630 Music, Technology and Contemporary Culture

Upper-division electives in Music

Credit Hours: 15

- MUSE 1100 Recital Attendance (six semesters)
- MUSE 3XXX Large Ensemble (four semesters) ²

**Minor or Concentration**

Credit Hours: 15

Select 15 credit hours (At least 9 credit hours must be at the 3000-level or above)

**Foreign Language**

Credit Hours: 6

Select 6 credit hours of Foreign Language

**Electives**

Credit Hours: 5

Total Credit Hours: 124

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

² Does not count toward the 6 hours of Major Requirements.
Piano primaries will replace MUSC 1511 and 1512 with two elective hours in Music.

Piano primaries will substitute two 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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Music B.M. (Concentration in Composition)

Program Admission Criteria

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

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Music B.M. (Concentration in Instrumental Performance)

Program Admission Criteria

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

Advisement

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Major Requirements 50-54

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA XXXX</td>
<td>Applied Music-Lower Division (Students must complete three semesters @ 2 credits)</td>
</tr>
<tr>
<td>MUSA XXXX</td>
<td>Applied Music-Upper-Division (Students must complete four semesters @ 2 credits)</td>
</tr>
<tr>
<td>MUSA 3101</td>
<td>Junior Recital</td>
</tr>
<tr>
<td>MUSA 4111</td>
<td>Senior Recital</td>
</tr>
<tr>
<td>MUSC 1515</td>
<td>Technology in Music</td>
</tr>
<tr>
<td>MUSC 2334</td>
<td>Music Theory IV</td>
</tr>
<tr>
<td>MUSC 2514</td>
<td>Aural Skills IV</td>
</tr>
<tr>
<td>MUSC 3120</td>
<td>Form and Analysis</td>
</tr>
<tr>
<td>MUSC 3131</td>
<td>History of Music I</td>
</tr>
<tr>
<td>MUSC 3132</td>
<td>History of Music II</td>
</tr>
<tr>
<td>MUSC 3610</td>
<td>Orchestration</td>
</tr>
<tr>
<td>MUSC 4411</td>
<td>Basic Conducting</td>
</tr>
<tr>
<td>MUSC 4432</td>
<td>Instrumental Conducting and Literature or MUSC 5237</td>
</tr>
<tr>
<td>MUSC XXXX</td>
<td>Instrumental Pedagogy (one-to-two semesters)</td>
</tr>
<tr>
<td>MUSE 1100</td>
<td>Recital Attendance (six semesters)</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Large Ensemble (Students must complete eight semesters @ 1 credit)</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Elective Ensemble (Students must complete six-to-eight semesters)</td>
</tr>
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</table>

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. 79).

• See the Department of Music Handbook for policies governing degree programs.

Advisement

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Music B.M. (Concentration in Piano Performance)

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

Music Theory

Select 12 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1331</td>
<td>Music Theory I</td>
</tr>
<tr>
<td>MUSC 1332</td>
<td>Music Theory II</td>
</tr>
<tr>
<td>MUSC 1513</td>
<td>Aural Skills I</td>
</tr>
<tr>
<td>MUSC 1514</td>
<td>Aural Skills II</td>
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<tr>
<td>MUSC 2333</td>
<td>Music Theory III</td>
</tr>
<tr>
<td>MUSC 2513</td>
<td>Aural Skills III</td>
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Major Requirements 50

Select 50 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUSA XXXX</td>
<td>Applied Music-Lower-division (Students must complete one semester @ 2 credits)</td>
</tr>
<tr>
<td>MUSA XXXX</td>
<td>Applied Music-Upper-division (Students must complete four semesters @ 2 credits)</td>
</tr>
<tr>
<td>MUSA 3101</td>
<td>Junior Recital</td>
</tr>
<tr>
<td>MUSA 4111</td>
<td>Senior Recital</td>
</tr>
<tr>
<td>MUSC 1515</td>
<td>Technology in Music</td>
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<tr>
<td>MUSC 2334</td>
<td>Music Theory IV</td>
</tr>
<tr>
<td>MUSC 2431</td>
<td>Piano Pedagogy I</td>
</tr>
<tr>
<td>MUSC 2514</td>
<td>Aural Skills IV</td>
</tr>
<tr>
<td>MUSC 3120</td>
<td>Form and Analysis</td>
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<tr>
<td>MUSC 3131</td>
<td>History of Music I</td>
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<tr>
<td>MUSC 3132</td>
<td>History of Music II</td>
</tr>
<tr>
<td>MUSC 3420</td>
<td>Piano Literature I</td>
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<tr>
<td>MUSC 3421</td>
<td>Piano Literature II</td>
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<tr>
<td>MUSC 3432</td>
<td>Piano Pedagogy II</td>
</tr>
<tr>
<td>MUSC 3610</td>
<td>Orchestration</td>
</tr>
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<td>MUSC 4411</td>
<td>Basic Conducting</td>
</tr>
<tr>
<td>MUSC XXXX</td>
<td>Upper Division Music Theory/History Elective</td>
</tr>
<tr>
<td>MUSE 1100</td>
<td>Recital Attendance (six semesters)</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Large Ensemble (two semesters)</td>
</tr>
<tr>
<td>MUSE 3514</td>
<td>Piano Ensemble (six semesters @ 1 credit)</td>
</tr>
</tbody>
</table>

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. 79).

• See the Department of Music Handbook for policies governing degree programs.
Advisement

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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></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>Music Theory</td>
<td>Select 12 credit hours from the following:</td>
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</tr>
<tr>
<td></td>
<td>MUSC 1331 Music Theory I</td>
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</tr>
<tr>
<td></td>
<td>MUSC 1332 Music Theory II</td>
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<td></td>
<td>MUSC 1513 Aural Skills I</td>
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</tr>
<tr>
<td></td>
<td>MUSC 1514 Aural Skills II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 2333 Music Theory III</td>
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<td></td>
<td>MUSC 2513 Aural Skills III</td>
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<tr>
<td>Applied Music</td>
<td>Select 6 credit hours from the following:</td>
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<tr>
<td></td>
<td>MUSA XXXX Applied Music - Lower-division</td>
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<tr>
<td></td>
<td>(Students must complete one semester @ 2 credit hours)</td>
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</tr>
<tr>
<td></td>
<td>MUSC 1511 Group Piano I</td>
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</tr>
<tr>
<td></td>
<td>MUSC 1512 Group Piano II</td>
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<td>MUSC 2512 Group Piano IV</td>
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</tr>
<tr>
<td>Major Requirements</td>
<td>48-49</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSA XXXX Applied Music - Lower-division</td>
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</tr>
<tr>
<td></td>
<td>(Students must complete three semesters @ 2 credit hours)</td>
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</tr>
<tr>
<td></td>
<td>MUSA XXXX Applied Music - Upper-division</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Students must complete four semesters @ 2 credit hours)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSA 3101 Junior Recital</td>
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</tr>
<tr>
<td></td>
<td>MUSA 4111 Senior Recital</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 1515 Technology in Music</td>
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</tr>
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<td></td>
<td>MUSC 2334 Music Theory IV</td>
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<tr>
<td></td>
<td>MUSC 2411 Diction for Singers I</td>
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</tr>
<tr>
<td></td>
<td>MUSC 2412 Diction for Singers II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 2514 Aural Skills IV</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 3120 or MUSC 3610 Form and Analysis</td>
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<tr>
<td></td>
<td>MUSC 3131 History of Music I</td>
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</tr>
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<td>MUSC 3132 History of Music II</td>
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<td></td>
<td>MUSC 3423 Vocal Literature I</td>
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<td>MUSC 3424 Vocal Literature II</td>
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<tr>
<td></td>
<td>MUSC 4411 Basic Conducting</td>
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</tr>
<tr>
<td></td>
<td>MUSC 4421 Voice Pedagogy</td>
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</tr>
<tr>
<td></td>
<td>MUSC XXXX Upper Division Music Theory/History Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSE 1100 Recital Attendance (six semesters)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSE 3XXX Large Ensemble (Students must complete eight semesters)</td>
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</tr>
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<td>MUSE 3XXX Elective Ensemble (Student must complete two semesters)</td>
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<tr>
<td>Foreign Language</td>
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<td></td>
<td>Select 6 credit hours of Foreign Language</td>
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<tr>
<td>Electives</td>
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<tr>
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<td>Select 5-6 credit hours of Upper-division Electives</td>
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<td>Total Credit Hours</td>
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</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. 79).
• See the Department of Music Handbook for policies governing degree programs.

Advisement

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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>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>Music Theory</td>
<td>Select 12 credit hours from the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 1331 Music Theory I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUSC 1332 Music Theory II</td>
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</tr>
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<td></td>
<td>MUSC 1513 Aural Skills I</td>
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<td>MUSC 1514 Aural Skills II</td>
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<td>MUSC 2333 Music Theory III</td>
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<td>MUSC 2513 Aural Skills III</td>
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<tr>
<td>Applied Music</td>
<td>Select 6 credit hours from the following:</td>
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</tr>
<tr>
<td></td>
<td>MUSA XXXX Applied Music (two semesters @ 1 credit hour)</td>
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<tr>
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<td>MUSC 1511 Group Piano I</td>
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</tr>
<tr>
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<td>MUSC 1512 Group Piano II</td>
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<tr>
<td>Major Requirements</td>
<td>48-49</td>
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<tr>
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<td>MUSA XXXX Applied Music - Lower-division</td>
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<td>(Students must complete three semesters @ 2 credit hours)</td>
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<td></td>
<td>MUSA XXXX Applied Music - Upper-division</td>
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<td>(Students must complete four semesters @ 2 credit hours)</td>
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<td>MUSA 4111 Senior Recital</td>
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<td>MUSC 1515 Technology in Music</td>
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<td>MUSC 2334 Music Theory IV</td>
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<td>MUSC 2412 Diction for Singers II</td>
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<td>MUSC 2514 Aural Skills IV</td>
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<td>MUSC 3120 Form and Analysis or MUSC 3610 Orchestration</td>
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<td>MUSC 3131 History of Music I</td>
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<td>MUSC 3423 Vocal Literature I</td>
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<td></td>
<td>MUSC 4411 Basic Conducting</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>EDUC 2110</td>
<td>Investigating Critical and Contemporary Issues in Education</td>
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</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>
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</tr>
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</tr>
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<td>MUSA 2101</td>
<td>Recital</td>
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<tr>
<td>MUSC 1515</td>
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<td>1</td>
</tr>
<tr>
<td>MUSC 2334</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2411</td>
<td>Diction for Singers I</td>
<td>1</td>
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<tr>
<td>MUSC 2412</td>
<td>Diction for Singers II</td>
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<td>MUSC 2514</td>
<td>Aural Skills IV</td>
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<tr>
<td>MUSC 2621</td>
<td>Introduction to Music Education</td>
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<td>History of Music I</td>
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</tr>
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</tr>
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<td>MUSC 3232</td>
<td>Elementary Methods and Materials in Music</td>
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<td>MUSC 3610</td>
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<td>MUSC 4411</td>
<td>Basic Conducting</td>
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<td>MUSC 4421</td>
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<td>MUSC 4431</td>
<td>Choral Conducting and Literature</td>
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</tr>
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<td>MUSC 4532</td>
<td>Secondary Methods and Materials in Music</td>
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<td>MUSC 4611</td>
<td>Seminar in Music Education</td>
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<td>MUSC 4632</td>
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<td>MUSC 4799</td>
<td>Student Teaching in P-12 Music Education</td>
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<td>Instrumental Methods I</td>
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<td>MUSE 3314</td>
<td>Opera Theatre</td>
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<td>MUSA XXXX</td>
<td>Elective Ensemble</td>
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<td>Percussion Methods</td>
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<td>MUSC 3215</td>
<td>String Methods</td>
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<td>MUSC 3217</td>
<td>Woodwind Methods</td>
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<td>MUSC 3218</td>
<td>Brass Methods</td>
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<tr>
<td>MUSE 1100</td>
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<td>MUSE 3XXX</td>
<td>Large Ensemble (six semesters @ 1 credit hour)</td>
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<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
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</table>

Total Credit Hours: 132

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. 79).
- 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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Music Education B.M. (Instrumental)

Degree Requirements: 132 Credit Hours

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

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

Additional Requirements | 4

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 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 3213 Percussion Methods | 1
- MUSC 3215 String Methods | 1
- MUSC 3216 Voice Class | 1
- MUSC 3217 Woodwind Methods | 1
- MUSC 3218 Brass Methods | 1
Minor Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 3232</td>
<td>Elementary Methods and Materials in Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3610</td>
<td>Orchestration</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 4211</td>
<td>Marching Band Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 4411</td>
<td>Basic Conducting</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 4432</td>
<td>Instrumental Conducting and Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 4532</td>
<td>Secondary Methods and Materials in Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 4611</td>
<td>Seminar in Music Education</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 4632</td>
<td>Student Teaching Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 4799</td>
<td>Student Teaching in P-12 Music Education</td>
<td>9</td>
</tr>
<tr>
<td>MUSE 1100</td>
<td>Recital Attendance (six semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Large Ensemble (six semesters @ 1 credit hour)</td>
<td>6</td>
</tr>
<tr>
<td>MUSE 3XXX</td>
<td>Additional Assigned Ensemble (two semesters @ 1 credit hour)</td>
<td>2</td>
</tr>
<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 132

1 Piano primaries will substitute 2 credit hours of Large Ensemble with 2 credit hours of Piano Ensemble (MUSE 3514).

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. 79).
- 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.

Advisement

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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.

Music Minor

Minor Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1331</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1511</td>
<td>Group Piano I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1513</td>
<td>Aural Skills I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3131</td>
<td>History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3132</td>
<td>History of Music II</td>
<td>3</td>
</tr>
</tbody>
</table>

Four elective semester hours in Music

Total Credit Hours: 15

Note: At least 9 credits must be 3000-level or above.
Programs

Majors

- Philosophy B.A. (p. 87)
- Philosophy B.A. (Concentration in Law) (p. 88)
- Philosophy B.A. (Concentration in Religious Studies) (p. 89)

Minors

- Philosophy Minor (p. 90)
- Religious Studies Interdisciplinary Minor (p. 91)

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) 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>
</tbody>
</table>

- FORL XXXX: Students must complete FORL through the 2002 level
- PHIL 2010: Introduction to Philosophy (If not taken in the Core Curriculum)
- PHIL 2030: Introduction to Ethics (If not taken in the Core Curriculum)
- SUBJ XXXX: Any 1000 or 2000 level course(s) as needed

Major Requirements (24 credit hours)

- History of Philosophy Requirement 9
  - PHIL 3100: Ancient Philosophy
  - Select two additional courses from the following:
    - PHIL 3120: Medieval Philosophy
    - PHIL 3130: Early Modern Philosophy: Rationalism and Empiricism
    - PHIL 3140: Nineteenth Century Philosophy
    - PHIL 3150: Contemporary Philosophy
    - PHIL 3170: Postmodernism

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

- Additional Major Courses 9-12
  - PHIL 3030: Selected Topics in Philosophy
  - PHIL 3120: Medieval Philosophy
  - PHIL 3130: Early Modern Philosophy: Rationalism and Empiricism
  - PHIL 3140: Nineteenth Century Philosophy
  - PHIL 3200: Technology, Society and Human Values
  - PHIL/POLS 3230: Modern Political Thought
  - PHIL 3330: Philosophy of Law
  - PHIL 3332: Philosophy of Art
  - PHIL 3333: Contemporary Moral Problems
  - PHIL 3334: Environmental Ethics
  - PHIL 3531: Theory of Knowledge
  - PHIL 3532: Metaphysics
  - PHIL 3635: Existentialism

- PHIL 4130: Feminist Philosophy
- PHIL 4433: The Irish Philosophical Tradition
- PHIL 4434: Focus on the Philosopher
- PHIL 4532: Philosophy of Emotions
- PHIL 4533: Philosophy of Mind
- PHIL 4534: Philosophy of Film
- PHIL 4632: Philosophy of Religion
- PHIL 4800: Independent Study
- PHIL 5030: Selected Topics in Philosophy
- RELS 3138: Introduction to Buddhism
- RELS 3234: Asian Religious Philosophy
- PHIL 4790: Internship
- Or any PHIL class 3000 level or higher

Electives 21

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

Minor - Required 15

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

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 Honors 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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic
Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

## 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>
<th>General Requirements (Core Areas A - E) 42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements 4</td>
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<tr>
<td>Area F - Courses Appropriate to Major 18</td>
<td></td>
</tr>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy (If not taken in the Core Curriculum)</td>
</tr>
<tr>
<td>PHIL 2030</td>
<td>Introduction to Ethics (If not taken in the Core Curriculum)</td>
</tr>
<tr>
<td>Select 3-12 credit hours from:</td>
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<tr>
<td>CRJU 1100</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>CRJU 2010</td>
<td>Universal Justice</td>
</tr>
<tr>
<td>FORL XXXX</td>
<td>Students must complete FORL through the 2002 level.</td>
</tr>
<tr>
<td>POLS 2101</td>
<td>Introduction to Political Science</td>
</tr>
<tr>
<td>POLS 2130</td>
<td>Introduction to Political Analysis</td>
</tr>
<tr>
<td>SUBJ XXXX</td>
<td>Any 1000 or 2000 level course as needed</td>
</tr>
<tr>
<td>Major Requirements (27 credit hours)</td>
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</tr>
<tr>
<td>History of Philosophy Requirement 6</td>
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</tr>
<tr>
<td>PHIL 3100</td>
<td>Ancient Philosophy</td>
</tr>
<tr>
<td>Select one additional course from the following:</td>
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</tr>
<tr>
<td>PHIL 3120</td>
<td>Medieval Philosophy</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 (Logic Requirement)</td>
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<tr>
<td>Law, Philosophy, and Politics 9</td>
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<td>Required:</td>
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<tr>
<td>PHIL 3232</td>
<td>Philosophy of Law</td>
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<tr>
<td>Select two additional courses from the following:</td>
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<tr>
<td>CRJU 3733</td>
<td>Inequalities, Crime, and Justice</td>
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<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>
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<td>POLS 4583</td>
<td>Theories of Justice</td>
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<td>RELS 3440</td>
<td>Religion and Law</td>
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<td>Logic Requirement 3-6</td>
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<tr>
<td>PHIL 2020</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHIL 4233</td>
<td>Symbolic Logic</td>
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<tr>
<td>Additional Major Courses 1 6-9</td>
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</tr>
<tr>
<td>Select three courses from the following:</td>
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</tr>
<tr>
<td>PHIL 3030</td>
<td>Selected Topics in Philosophy</td>
</tr>
</tbody>
</table>

| PHIL 3130   | Early Modern Philosophy: Rationalism and Empiricism |
| PHIL 3140   | Nineteenth Century Philosophy |
| PHIL 3150   | Contemporary Philosophy |
| PHIL 3170   | Postmodernity |
| PHIL 3200   | Technology, Society and Human Values |
| PHIL 3230   | Modern Political Thought |
| 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 4130   | Feminist Philosophy |
| PHIL 4433   | The Irish Philosophical Tradition |
| PHIL 4434   | Focus on the Philosopher |
| PHIL 4532   | Philosophy of Emotions |
| PHIL 4533   | Philosophy of Mind |
| PHIL 4534   | Philosophy of Film |
| PHIL 4632   | Philosophy of Religion |
| PHIL 4800   | Independent Study |
| PHIL 4790   | Internship |
| PHIL 5030   | Selected Topics in Philosophy |
| RELS 3234   | Asian Religious Philosophy (Or any PHIL class 3000 level or higher) |

Or any PHIL class 3000 level or higher

| Electives 2 | 18 |
| Select 18 credit hours of Electives which may include additional Philosophy courses |

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

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 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.

Advisement
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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>
<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>
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<td></td>
<td>Foreign Language - through 2002</td>
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<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>
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<tr>
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<td>PHIL 2010 Introduction to Philosophy</td>
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</tr>
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<td></td>
<td>PHIL 2020 Critical Thinking</td>
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</tr>
<tr>
<td></td>
<td>PHIL 2030 Introduction to Ethics</td>
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</tr>
<tr>
<td></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>
<td></td>
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<tr>
<td></td>
<td>RELS 2100 World Religions</td>
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</tr>
<tr>
<td></td>
<td>RELS 2130 Introduction to Religious Studies</td>
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</tr>
<tr>
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<td>Select 0-15 credit hours from any 1000-2000 level courses</td>
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<td>Major Requirements (27 credit hours @ the 3000 level or above)</td>
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<td>Specific Requirements:</td>
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<tr>
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<td>RELS 4890 Religious Studies Capstone</td>
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<td></td>
<td>Ancient and Modern Philosophy</td>
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<td>Select 3 credit hours from the following:</td>
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<tr>
<td></td>
<td>PHIL 3100 Ancient Philosophy</td>
<td>3</td>
</tr>
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<td></td>
<td>PHIL 3130 Early Modern Philosophy: Rationalism and Empiricism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select 3 credit hours from the following:</td>
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<tr>
<td></td>
<td>PHIL 3635 Existentialism</td>
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</tr>
<tr>
<td></td>
<td>PHIL 4632 Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RELS 3138 Introduction to Buddhism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RELS 3234 Asian Religious Philosophy</td>
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<tr>
<td></td>
<td>Electives in Religious Studies</td>
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<tr>
<td></td>
<td>Select 12 credit hours from the following:</td>
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<tr>
<td></td>
<td>ANTH 4350 Sorcery, Demons and Gods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 3141 The Bible as Literature</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 3150 Mythology</td>
<td></td>
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<tr>
<td></td>
<td>ENGL 5485 Milton</td>
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</table>

| HIST/RELS 3139 History of Religion in the U.S. |
| HIST/RELS 3233 The Early Church                 |
| HIST 3234 The History of Islam in Southeast Asia |
| HIST/RELS 3250 The Muslim World to Tamerlane        |
| HIST/RELS 3251 The Muslim World Since Genghis Khan   |
| HIST/RELS 3334 Christian Europe 450-1750            |
| HIST/RELS 4336 Science and Religion                |
| HIST 4530 Revelation and Revolution                |
| HIST/RELS 5332 The Age of Reformerizations          |
| PHIL 3120 Medieval Philosophy                       |
| PHIL 3635 Existentialism                            |
| PHIL 4632 Philosophy of Religion                     |
| 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 3234 Asian Religious Philosophy                   |
| 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 3416 Religion and Irish Identity                  |
| RELS 3430 Religion and Politics                       |
| RELS 3440 Religion and Law                            |
| RELS 5035/5030G Special Topics in Religious Studies   |
| SOCI 4133 Sociology of Religion                        |
| Or any RELS class 3000 level or higher                |

Electives in Philosophy
Select 6 credit hours from the following: 6

| PHIL 3030 Selected Topics in Philosophy |
| PHIL 3100 Ancient Philosophy            |
| PHIL 3120 Medieval Philosophy           |
| 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 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 4130 Feminist Philosophy           |
Philosophy Minor

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>PHIL 2010</td>
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<td></td>
<td>PHIL 2020</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHIL 2030</td>
<td>Introduction to Ethics</td>
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<tr>
<td></td>
<td>PHIL 3030</td>
<td>Selected Topics in Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3100</td>
<td>Ancient Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3120</td>
<td>Medieval Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3130</td>
<td>Early Modern Philosophy: Rationalism and Empiricism</td>
</tr>
<tr>
<td></td>
<td>PHIL 3140</td>
<td>Nineteenth Century Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3150</td>
<td>Contemporary Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3170</td>
<td>Philosophy of Art</td>
</tr>
<tr>
<td></td>
<td>PHIL 3200</td>
<td>Philosophy of Law</td>
</tr>
<tr>
<td></td>
<td>PHIL 3232</td>
<td>Philosophy of Mind</td>
</tr>
<tr>
<td></td>
<td>PHIL 3234</td>
<td>Philosophy of Film</td>
</tr>
<tr>
<td></td>
<td>PHIL 3300</td>
<td>Philosophy of Religion</td>
</tr>
<tr>
<td></td>
<td>PHIL 3330</td>
<td>Philosophy of Emotions</td>
</tr>
<tr>
<td></td>
<td>PHIL 3332</td>
<td>Philosophy of Art</td>
</tr>
<tr>
<td></td>
<td>PHIL 3334</td>
<td>Philosophy of Mind</td>
</tr>
<tr>
<td></td>
<td>PHIL 3340</td>
<td>Philosophy of Film</td>
</tr>
<tr>
<td></td>
<td>PHIL 4790</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Electives ²

Select 18 credit hours of Electives 18

Minor - Required ²

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

Total Credit Hours 124

¹ For Religious Studies Capstone (RELS 4890), the prerequisite is at least two courses within the major. Students can choose to substitute 3 credit hours of HONS 4610 for RELS 4890.

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.

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Contact

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

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
Religious Studies Interdisciplinary Minor

Minor Program

Select four of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELS 4890</td>
<td>Religious Studies Capstone</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4350</td>
<td>Sorcery, Demons and Gods</td>
<td></td>
</tr>
<tr>
<td>ENGL 3141</td>
<td>The Bible as Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 3150</td>
<td>Mythology</td>
<td></td>
</tr>
<tr>
<td>ENGL 5485</td>
<td>Milton</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 3139</td>
<td>History of Religion in the U.S.</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 3233</td>
<td>The Early Church</td>
<td></td>
</tr>
<tr>
<td>HIST 3234</td>
<td>The History of Islam in Southeast Asia</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 3250</td>
<td>The Muslim World to Tamerlane</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 3251</td>
<td>The Muslim World Since Genghis Khan</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 3334</td>
<td>Christian Europe 450-1750</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 4336</td>
<td>Science and Religion</td>
<td></td>
</tr>
<tr>
<td>HIST 4530</td>
<td>Revelation and Revolution</td>
<td></td>
</tr>
<tr>
<td>HIST/RELS 5332</td>
<td>The Age of Reformations</td>
<td></td>
</tr>
<tr>
<td>PHIL 3120</td>
<td>Medieval Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL 3635</td>
<td>Existentialism</td>
<td></td>
</tr>
<tr>
<td>PHIL 4632</td>
<td>Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td>PSYC 3231</td>
<td>Psychology of Religion</td>
<td></td>
</tr>
<tr>
<td>RELS 2100</td>
<td>World Religions</td>
<td></td>
</tr>
<tr>
<td>RELS 2130</td>
<td>Introduction to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>RELS 3030</td>
<td>Selected Topics</td>
<td></td>
</tr>
<tr>
<td>RELS 3134</td>
<td>Introduction to Asian Religions</td>
<td></td>
</tr>
<tr>
<td>RELS 3135</td>
<td>Introduction to Hinduism</td>
<td></td>
</tr>
<tr>
<td>RELS 3136</td>
<td>Introduction to Islam</td>
<td></td>
</tr>
<tr>
<td>RELS 3137</td>
<td>Introduction to Christianity</td>
<td></td>
</tr>
<tr>
<td>RELS 3138</td>
<td>Introduction to Buddhism</td>
<td></td>
</tr>
<tr>
<td>RELS 3234</td>
<td>Asian Religious Philosophy</td>
<td></td>
</tr>
<tr>
<td>RELS 3235</td>
<td>Religion, Sex, and Gender</td>
<td></td>
</tr>
<tr>
<td>RELS 3238</td>
<td>The Hebrew Prophets</td>
<td></td>
</tr>
<tr>
<td>RELS 3330</td>
<td>Introduction to the Hebrew Bible</td>
<td></td>
</tr>
<tr>
<td>RELS 3335</td>
<td>Introduction to the New Testament</td>
<td></td>
</tr>
<tr>
<td>RELS 3416</td>
<td>Religion and Irish Identity</td>
<td></td>
</tr>
<tr>
<td>RELS 3430</td>
<td>Religion and Politics</td>
<td></td>
</tr>
<tr>
<td>RELS 3440</td>
<td>Religion and Law</td>
<td></td>
</tr>
<tr>
<td>RELS 5030</td>
<td>Special Topics in Religious Studies</td>
<td></td>
</tr>
<tr>
<td>RELS 5332</td>
<td>The Age of Reformations</td>
<td></td>
</tr>
</tbody>
</table>

An additional 12 credit hours of courses with significant Religious Studies dimension must be completed for a total of 15 credit hours. Two RELS courses must be completed prior to taking the capstone. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the Religious Studies faculty.

Total Credit Hours 15

Contact

Department of Philosophy and Religious Studies
Newton Building
Room 3307
(912) 478-5471

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Department of Writing and Linguistics

The Department of Writing and Linguistics is unique in Georgia for incorporating the fields of creative writing, linguistics, professional and technical writing, and writing studies. Our majors learn and practice an array of writing and analytical skills while selecting coursework according to their educational, creative, and professional goals. Our courses combine theory and practice to develop reflective, confident writers who can reach many audiences for a variety of purposes in print and electronically. Majors in upper-division courses receive the personal attention from our faculty (who remain active as writers and linguists) for which Georgia Southern University is known. The B.A. from the Department of Writing and Linguistics combines the university’s large scale with a small-school feel.

Our department provides a range of professional development opportunities and activities for students, including internships, résumé and application letter workshops, discussions with visiting writers, readings from the Georgia Poetry Circuit, and student-led readings. Students may also join the Creative Writing Club, the Linguistics Club, or the Writers Guild, which are all advised by department faculty.

The Department of Writing and Linguistics also offers four minors: Applied Linguistics, Writing, Linguistics Interdisciplinary, and Professional and Technical Writing.

Graduates from the Department of Writing and Linguistics will demonstrate their knowledge and skills in these ways:

1. Students will analyze audiences for specific texts and reflect on their processes of writing and revision.
2. Students will analyze and critique texts using appropriate disciplinary concepts and will demonstrate knowledge of appropriate research methods.
3. Students will write texts that reflect applicable genre conventions.
4. Students will demonstrate expertise in mapping linguistic structures to their functions in different contexts and ability to articulate the implications of language variation.

Programs

Majors

- Writing and Linguistics B.A. (p. 93)
Minors

- Applied Linguistics Minor (p. 92)
- Linguistics Interdisciplinary Minor (p. 92)
- Professional and Technical Writing Minor (p. 93)
- Writing Minor (p. 95)

Applied Linguistics Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 3630</td>
<td>Language and Linguistic Theory</td>
</tr>
<tr>
<td>Select 15 credit hours from the following: ¹</td>
<td></td>
</tr>
<tr>
<td>LING 3030</td>
<td>Selected Topics in Linguistics</td>
</tr>
<tr>
<td>LING 3430</td>
<td>Linguistics and Grammar for Teachers</td>
</tr>
<tr>
<td>LING 3520</td>
<td>Revision, Grammar and Culture</td>
</tr>
<tr>
<td>LING 4230</td>
<td>Second Language Writing</td>
</tr>
<tr>
<td>LING 4231</td>
<td>Corpus Linguistics</td>
</tr>
<tr>
<td>LING 4430</td>
<td>Computer-Assisted Language Learning</td>
</tr>
<tr>
<td>LING 4432</td>
<td>Language Assessment</td>
</tr>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
</tr>
<tr>
<td>LING 5133</td>
<td>English Grammar for ESL/EFL Teachers</td>
</tr>
<tr>
<td>LING 5233</td>
<td>Teaching English Internationally</td>
</tr>
<tr>
<td>LING/WRIT 5530</td>
<td>Sociolinguistics</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

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 Concentration.

Contact

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

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Applied Linguistics Minor

Minor Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 3630</td>
<td>Language and Linguistic Theory</td>
</tr>
<tr>
<td>Select 12 credit hours from the following: ¹</td>
<td></td>
</tr>
<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 3520</td>
<td>Revision, Grammar and Culture</td>
</tr>
<tr>
<td>LING 3534</td>
<td>Psychology of Language</td>
</tr>
<tr>
<td>LING 4333</td>
<td>Semantics: Introduction to Linguistic Meaning</td>
</tr>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
</tr>
<tr>
<td>LING 5133</td>
<td>English Grammar for ESL/EFL Teachers</td>
</tr>
<tr>
<td>LING 5233</td>
<td>Teaching English Internationally</td>
</tr>
<tr>
<td>LING 5340</td>
<td>History of English Language</td>
</tr>
<tr>
<td>LING 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>or WRIT 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>ENGL 5440</td>
<td>Early British Literature ²</td>
</tr>
<tr>
<td>ENGL 5450</td>
<td>Chaucer ²</td>
</tr>
</tbody>
</table>

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Linguistics Interdisciplinary Minor

Minor Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 3630</td>
<td>Language and Linguistic Theory</td>
</tr>
<tr>
<td>Select 12 credit hours from the following: ¹</td>
<td></td>
</tr>
<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 3520</td>
<td>Revision, Grammar and Culture</td>
</tr>
<tr>
<td>LING 3534</td>
<td>Psychology of Language</td>
</tr>
<tr>
<td>LING 4333</td>
<td>Semantics: Introduction to Linguistic Meaning</td>
</tr>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
</tr>
<tr>
<td>LING 5133</td>
<td>English Grammar for ESL/EFL Teachers</td>
</tr>
<tr>
<td>LING 5233</td>
<td>Teaching English Internationally</td>
</tr>
<tr>
<td>LING 5340</td>
<td>History of English Language</td>
</tr>
<tr>
<td>LING 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>or WRIT 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>ENGL 5440</td>
<td>Early British Literature ²</td>
</tr>
<tr>
<td>ENGL 5450</td>
<td>Chaucer ²</td>
</tr>
</tbody>
</table>
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

Advisement
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Writing and Linguistics 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

Foreign Language - through 2002 or its equivalent
Select 9-18 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities (unless taken for Area C)</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2111</td>
<td>World Literature I</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2112</td>
<td>World Literature II</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2121</td>
<td>British Literature I</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2122</td>
<td>British Literature II</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2131</td>
<td>American Literature I</td>
<td></td>
</tr>
<tr>
<td>or ENGL 2132</td>
<td>American Literature II</td>
<td></td>
</tr>
<tr>
<td>LING 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
<td></td>
</tr>
<tr>
<td>LING 2230</td>
<td>Introduction to Language</td>
<td></td>
</tr>
<tr>
<td>WRIT 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
<td></td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
<td></td>
</tr>
<tr>
<td>WRIT 2131</td>
<td>Applied Creative Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 2133</td>
<td>Forms in Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 2135</td>
<td>Reading as a Writer</td>
<td></td>
</tr>
<tr>
<td>WRIT 2230</td>
<td>Careers in Writing and Linguistics</td>
<td></td>
</tr>
<tr>
<td>WRIT 2290</td>
<td>Creativity for Writers</td>
<td></td>
</tr>
<tr>
<td>WRIT 2350</td>
<td>Freelance Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT/LING 2430</td>
<td>Essential Grammar for Successful</td>
<td></td>
</tr>
<tr>
<td>WRIT 2450</td>
<td>Writing for Social Media</td>
<td></td>
</tr>
<tr>
<td>WRIT 2533</td>
<td>Writing Popular Culture</td>
<td></td>
</tr>
</tbody>
</table>

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

Common Body of Knowledge Courses 12

Professional and Technical Writing Minor

Minor Program

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 3230</td>
<td>Writing in the Workplace</td>
<td>15</td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
<td></td>
</tr>
<tr>
<td>WRIT 2450</td>
<td>Writing for Social Media</td>
<td></td>
</tr>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing 1</td>
<td></td>
</tr>
<tr>
<td>WRIT 3220</td>
<td>Introduction to Professional and Technical Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 3232</td>
<td>Information Design</td>
<td></td>
</tr>
<tr>
<td>WRIT 3233</td>
<td>Technical and Professional Editing</td>
<td></td>
</tr>
<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
<td></td>
</tr>
<tr>
<td>WRIT 3310</td>
<td>Digital Storytelling</td>
<td></td>
</tr>
<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>
<td></td>
</tr>
<tr>
<td>WRIT 4300</td>
<td>Applied Rhetoric of Science and Technology</td>
<td></td>
</tr>
<tr>
<td>WRIT 4380</td>
<td>Writing Grants and Proposals</td>
<td></td>
</tr>
<tr>
<td>WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
<td></td>
</tr>
<tr>
<td>WRIT 5030</td>
<td>Selected Topics in Writing 1</td>
<td></td>
</tr>
<tr>
<td>WRIT 5100</td>
<td>Writing for New Media</td>
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</tr>
<tr>
<td>WRIT 5510</td>
<td>Writing for the Nonprofit Sector</td>
<td></td>
</tr>
<tr>
<td>WRIT 5520</td>
<td>Writing for Publication</td>
<td></td>
</tr>
<tr>
<td>WRIT 5250</td>
<td>Advanced Technical Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 5535</td>
<td>Intellectual Property</td>
<td></td>
</tr>
<tr>
<td>WRIT 5540</td>
<td>Plain Language in Workplace Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 5550</td>
<td>Publication Design</td>
<td></td>
</tr>
<tr>
<td>WRIT 5580</td>
<td>Social Media Management</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

1. Chosen in consultation with advisor.
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.

**LING 3630** Language and Linguistic Theory  
**WRIT 3130** Creative Writing  
**WRIT 3230** Writing in the Workplace  
**WRIT 3234** Research Methods for Writers  
**WRIT 3531** Introduction to Rhetoric and Composition

**Upper Division Requirements**  
15-21 credit hours

Select one of the following:

**LING 4333** Semantics: Introduction to Linguistic Meaning  
**LING/WRIT 4790** Internship in Writing and Linguistics  
**LING/WRIT 5130** Modern English Grammar  
**LING/WRIT 5340** History of English Language  
**WRIT 3233** Technical and Professional Editing  
**WRIT 3234** Research Methods for Writers  
**WRIT 5231** Advanced Screenwriting  
**WRIT 5250** Advanced Technical Writing  
**WRIT 5330** Rhetoric

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

**WRIT 5330** Rhetoric  
**WRIT 5430** Advanced Poetry Writing  
**WRIT 5520** Writing for Publication  
**WRIT 5530** Sociolinguistics  
**WRIT 5532** Writing Flash Prose  
**WRIT 5560** Advanced Fiction Writing  

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

**Creative Writing**

**WRIT 3030** Selected Topics in Writing  
**WRIT 3140** Writing for Young Readers  
**WRIT 3310** Digital Storytelling  
**WRIT 3433** Comic Books, Culture, and Composition  
**WRIT 3490** Writing the Southern Experience  
**WRIT 4130** Creative Nonfiction Writing  
**WRIT 4231** Screenwriting  
**WRIT 4430** Poetry Writing  
**WRIT 4530** Fiction Writing  
**WRIT 4790** Internship in Writing and Linguistics  
**WRIT 5030** Selected Topics in Writing  
**WRIT 5231** Advanced Screenwriting  
**WRIT 5430** Advanced Poetry Writing  
**WRIT 5531** Advanced Creative Nonfiction Writing  
**WRIT 5532** Writing Flash Prose  
**WRIT 5560** Advanced Fiction Writing

**Professional and Technical Writing**

**WRIT 3030** Selected Topics in Writing  
**WRIT 3220** Introduction to Professional and Technical Writing  
**WRIT 3232** Information Design

**WRIT 3233** Technical and Professional Editing  
**WRIT 3234** Research Methods for Writers  
**WRIT 3310** Digital Storytelling  
**WRIT 3320** Introduction to Usability and user Experience  
**WRIT 3460** Travel and Tourism Writing  
**WRIT 4300** Applied Rhetoric of Science and Technology  
**WRIT 4380** Writing Rhetoric of Science and Technology  
**WRIT 4790** International Studies in Writing and Linguistics  
**WRIT 5030** Selected Topics in Writing  
**WRIT 5100** Writing for New Media  
**WRIT 5250** Advanced Technical Writing  
**WRIT 5510** Writing for the Nonprofit Sector  
**WRIT 5535** Intellectual Property  
**WRIT 5540** Plain Language in Workplace Writing  
**WRIT 5550** Publication Design  
**WRIT 5580** Social Media Management  

**Rhetoric and Composition**

**WRIT 3030** Selected Topics in Writing  
**WRIT 3100** Writing Autobiography  
**WRIT 3133** Tutoring Writing  
**WRIT 3310** Digital Storytelling  
**WRIT 3433** Comic Books, Culture, and Composition  
**WRIT 3435** Writing and Healing  
**WRIT 3460** Travel and Tourism Writing  
**WRIT 3520** Revision, Grammar and Culture  
**WRIT 4550** Literacy and Identity  
**WRIT 4560** Writing for Social Change  
**WRIT 4570** Writing, Rhetoric, and Culture  
**WRIT 4790** Internship in Writing and Linguistics  
**WRIT 5030** Selected Topics in Writing  
**WRIT 5100** Writing for New Media  
**WRIT 5130** Modern English Grammar  
**WRIT 5330** Rhetoric  
**WRIT 5340** History of English Language  
**WRIT 5530** Sociolinguistics  
**WRIT 5520** Writing for Publication  
**WRIT 5533** Teaching College Composition  
**WRIT 5570** Advanced Writing, Rhetoric, and Culture  

**LING 3030** Selected Topics in Linguistics  
**LING 3031** Phonology: Introduction to Sound Systems  
**LING 3032** Syntax: Introduction to Structures of Sentences  
**LING 3337** Language, Power, Politics  
**LING 3338** Language and Law  
**LING 3520** Revision, Grammar and Culture  
**LING 3533** Introduction to Language  
**LING 3534** Psychology of Language  
**LING 4230** Second Language Writing  
**LING 4231** Corpus Linguistics  
**LING 4430** Computer-Assisted Language Learning  
**LING 4432** Language Assessment  
**LING/WRIT 4790** Internship in Writing and Linguistics
LING   4333  Semantics: Introduction to Linguistic Meaning
LING   5130  Modern English Grammar
LING   5133  English Grammar for ESL/EFL Teachers
LING   5233  Teaching English Internationally
LING   5340  History of English Language
LING   5530  Sociolinguistics

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

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

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.

Student Portfolio Requirements: In the semester of graduation, students must submit a portfolio of their work by the end of Week 10 in fall or spring, or by Week 3 in summer. Requirements for the portfolio are posted on the department's website and in the main department office.

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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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. 97)
- Interdisciplinary Studies B.I.S. (p. 99)
- Interdisciplinary Studies B.I.S. (Online) (p. 99)
- Women's Gender, and Sexuality Studies B.A. (p. 101)

#### Minors

- Africana Studies Interdisciplinary Minor (p. 96)
- Classical and Medieval Studies Interdisciplinary Minor (p. 97)
- Environmental Studies Interdisciplinary Minor (p. 97)
- European Union Studies Interdisciplinary Minor (p. 98)
- Film Studies Interdisciplinary Minor (p. 98)
- Irish Studies Interdisciplinary Minor (p. 100)
- Women's, Gender, and Sexuality Studies Interdisciplinary Minor (p. 103)

### Africana Studies Interdisciplinary Concentration

#### Concentration Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAST 3230</td>
<td>Introduction to Africa and Its Diaspora</td>
</tr>
<tr>
<td>Five other courses, with at least one each from the humanities and the social sciences.</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

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

### Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

### Africana Studies Interdisciplinary Minor

#### Minor Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAST 2000</td>
<td>Introduction to African American Studies</td>
</tr>
<tr>
<td>or IDS 2000</td>
<td>Diaspora Studies</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>3</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:

<table>
<thead>
<tr>
<th>Humanities</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAST 3030</td>
<td>Selected Topics in Africana Studies</td>
</tr>
<tr>
<td>AAST 3330</td>
<td>Yoruba Culture and Civilization</td>
</tr>
<tr>
<td>ARTH 3435</td>
<td>African Art</td>
</tr>
<tr>
<td>ENGL 3350</td>
<td>Introduction to African American Literature</td>
</tr>
<tr>
<td>ENGL 5590</td>
<td>Studies in African American Literature</td>
</tr>
<tr>
<td>HIST 3130</td>
<td>African American History to 1865</td>
</tr>
<tr>
<td>HIST 3131</td>
<td>African American History since 1865</td>
</tr>
<tr>
<td>HIST 3530</td>
<td>History of Africa to 1800</td>
</tr>
<tr>
<td>HIST 3531</td>
<td>History of Africa since 1800</td>
</tr>
<tr>
<td>HIST 4134</td>
<td>The Civil Rights Movement</td>
</tr>
<tr>
<td>HIST 4530</td>
<td>Revelation and Revolution</td>
</tr>
<tr>
<td>HIST 4532</td>
<td>Destruction of Slavery</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>THEA 3332</td>
<td>African American Theatre</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
</tr>
<tr>
<td>AAST 3030</td>
<td>Selected Topics in Africana Studies</td>
</tr>
<tr>
<td>COMS 3339</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>POLS 3237</td>
<td>African American Politics</td>
</tr>
<tr>
<td>POLS 3431</td>
<td>African Politics</td>
</tr>
<tr>
<td>SOCI 3235</td>
<td>Race and Ethnicity</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

**Contact**

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

**Advisement**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**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.  

<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>Major Requirements</td>
</tr>
<tr>
<td>COMM 1110 Public Speaking</td>
</tr>
<tr>
<td>Select fifteen credit hours of courses at the 1000 or 2000 level</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

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**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**Classical and Medieval Studies Interdisciplinary Minor**

**Minor Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1111</td>
<td>World History I: Development of World Civilization</td>
<td>18</td>
</tr>
</tbody>
</table>

**Course 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.)  

**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**
### European Union Studies Interdisciplinary Minor

#### Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>

**NOTE:** A 3.0 GPA in certificate courses is required.

List includes the following campus (with at least a 25% EU component) as well as online courses (at least one course in two different discipline areas):

- **BIOL**: People and the Environment
- **ECON**: Multinational Econ Enterprises
- **ECON**: International Trade
- **ECON**: Environmental Economics
- **HIST**: Contemporary Europe
- **HIST**: Modern Britain: 1485 to the Present
- **HIST**: Modern Germany
- **HIST**: Modern European Thought
- **HIST**: Modern East Central Europe
- **HIST**: Women and Gender in Europe
- **HIST**: Britain and the World
- **HIST**: Modern France and French Society in Global Context
- **HIST**: Economic Rivals: US-UK-Japan
- **POLI**: Pol & Ideol/Contemporary Euro
- **EURO**: Topics In European Union Studies
- **EURO**: European Law and Legal Systems
- **EURO**: Federalism and Multilevel Governance in the EU
- **EURO**: Doing Business in the European Union and United States
- **EURO**: European Monetary Union
- **EURO**: Science and Technology Policy
- **EURO**: EU Environmental Policy
- **EURO**: European Social Policy
- **EURO**: EU Communications and Media
- **EURO**: EU Foreign Policy
- **EURO**: US-EU Relations

**Capstone Seminar:**

- EURO 4500 Seminar in Euro Union Studies
- or EURO 4830 EU Studies Capstone Course

Total Credit Hours: 15

#### Adviseemt

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### Film Studies Interdisciplinary Minor

#### 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>
</tbody>
</table>

Total Credit Hours: 15

#### Contact:

Dr. Olavi Arens  
Department of History  
Armstrong Campus  
912-344-2857

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>Select 18 credit hours of courses appropriate to Concentration and Minor programs of study, as approved by advisor</td>
<td>18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>For the major, students may choose one of the following two options: 1</td>
<td></td>
</tr>
<tr>
<td>Three (3) concentrations of 18 credit hours each from the list of approved concentrations below.</td>
<td></td>
</tr>
<tr>
<td>Two (2) concentrations of 18 credit hours each from the list of approved concentrations below and one (1) 15-credit hour minor (refer to minors and interdisciplinary minors in Catalog).</td>
<td></td>
</tr>
</tbody>
</table>

Approved Concentrations: 2

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.
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>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Select 15 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>ANTH 3332 European Cultures</td>
</tr>
<tr>
<td></td>
<td>ENGL 5235 Irish Literature to 1850</td>
</tr>
<tr>
<td></td>
<td>ENGL 5236 Irish Literature Since 1850</td>
</tr>
<tr>
<td></td>
<td>ENGL 5238 Irish Women Writers</td>
</tr>
<tr>
<td></td>
<td>ENGL 5440 Early British Literature</td>
</tr>
<tr>
<td></td>
<td>HIST 3431 Modern Britain: 1485 to the Present</td>
</tr>
<tr>
<td></td>
<td>IRSH 1001 Irish Language, Gaeilge: I</td>
</tr>
<tr>
<td></td>
<td>IRSH 2001 Irish Language, Gaeilge: II</td>
</tr>
<tr>
<td></td>
<td>IRSH 2130 Introduction to Irish Culture</td>
</tr>
<tr>
<td></td>
<td>IRSH 3090 Selected Topics in Irish Studies</td>
</tr>
<tr>
<td></td>
<td>IRSH/THEA 3333 Irish Theatre</td>
</tr>
<tr>
<td></td>
<td>IRSH 3430 Ireland in Film</td>
</tr>
<tr>
<td></td>
<td>IRSH 3432 Northern Irish Identities, Conflict, and Peace-Making</td>
</tr>
<tr>
<td></td>
<td>PHIL 4433 The Irish Philosophical Tradition</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact:
Dr. Howard Keeley
Interdisciplinary Studies Building
Statesboro Campus
912-478-0221

Advisement
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Latin American Studies Interdisciplinary Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Select 18 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>GEOG 4232 Geography of Latin America</td>
</tr>
<tr>
<td></td>
<td>HIST/INTS 3537 Colonial Latin America</td>
</tr>
</tbody>
</table>

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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<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 4200</td>
<td>Introduction 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

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**

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**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 complete four upper division courses.

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<tbody>
<tr>
<td>PBAD 2231</td>
<td>Introduction to Public Administration</td>
</tr>
<tr>
<td>PBAD 3631</td>
<td>Introduction to Public and Nonprofit Financial Management</td>
</tr>
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**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.*

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<tr>
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<th>Course Title</th>
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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<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>
<tr>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
</tr>
<tr>
<td>HIST 4131</td>
<td>Biography and History</td>
</tr>
<tr>
<td>HIST 4135</td>
<td>The United States in the 1960s</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 4530</td>
<td>Revelation and Revolution</td>
</tr>
<tr>
<td>HIST 5138</td>
<td>The New South</td>
</tr>
<tr>
<td>LING 3337</td>
<td>Language, Power, Politics</td>
</tr>
<tr>
<td>PHIL 4130</td>
<td>Feminist Philosophy</td>
</tr>
<tr>
<td>RELS 3235</td>
<td>Religion, Sex, and Gender</td>
</tr>
<tr>
<td>WGSS 3510</td>
<td>Gender, Violence and Society</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 5000</td>
<td>Topics in Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 5500</td>
<td>Topics in Women's Leadership</td>
</tr>
<tr>
<td>WRIT 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 3435</td>
<td>Writing and Healing</td>
</tr>
<tr>
<td>WRIT 4570</td>
<td>Writing, Rhetoric, and Culture</td>
</tr>
<tr>
<td>WRIT 5533</td>
<td>Teaching College Composition</td>
</tr>
<tr>
<td>WRIT 5570</td>
<td>Advanced Writing, Rhetoric, and Culture</td>
</tr>
</tbody>
</table>

### Behavioral and Social Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<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>
<tr>
<td>CHFD 3232</td>
<td>Sexuality in Human Development</td>
</tr>
<tr>
<td>CRUJ 3733</td>
<td>Inequalities, Crime, and Justice</td>
</tr>
<tr>
<td>CRUJ 3531</td>
<td>Victimology</td>
</tr>
<tr>
<td>CRUJ 3535</td>
<td>Family Violence</td>
</tr>
<tr>
<td>POLS 3235</td>
<td>Women and Politics</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>PSYC 3232</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>PSYC 3237</td>
<td>Psychology of Human Sexuality</td>
</tr>
<tr>
<td>SOCI 3339</td>
<td>Sociology of Sexuality</td>
</tr>
<tr>
<td>SOCI 3510</td>
<td>Gender, Violence and Society</td>
</tr>
<tr>
<td>SOCI 3531</td>
<td>Introduction to LGBT Studies</td>
</tr>
<tr>
<td>SOCI 4137</td>
<td>Social Movements</td>
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<td>Sociology of the Family</td>
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<td>SOCI 4338</td>
<td>Sport, Culture, and Society</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
</tbody>
</table>

### Science Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 5530</td>
<td>Cultural Geography</td>
</tr>
</tbody>
</table>

### Minor

A University approved minor in another area of study.

### Electives

15

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
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### Other Degree Requirements

#### Exit Exam

#### Advisement

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### Women's Gender, and Sexuality Studies Interdisciplinary Concentration

#### Concentration Program

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4332</td>
<td>Anthropology of Sex and Gender</td>
</tr>
<tr>
<td>ENGL 5340</td>
<td>Literature by Women</td>
</tr>
<tr>
<td>POLS 3235</td>
<td>Women and Politics</td>
</tr>
<tr>
<td>PSYC/INTS 3232</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>SOCI 4332</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGST 3137/HIST 5240</td>
<td>Introduction to LGBT Studies</td>
</tr>
<tr>
<td>WGST 3333/COMS 5333</td>
<td>Gender, Violence and Society</td>
</tr>
<tr>
<td>WGST/PHIL 4130</td>
<td>Introduction to LGBT Studies</td>
</tr>
<tr>
<td>WGST/COMM 4331</td>
<td>Social Movements</td>
</tr>
<tr>
<td>WGST/HIST 4335</td>
<td>Sociology of the Family</td>
</tr>
<tr>
<td>WGST/HIST/AAST 4530</td>
<td>Child Welfare and Family Services</td>
</tr>
<tr>
<td>WGST 5131</td>
<td>Social Services Counseling Skills</td>
</tr>
<tr>
<td>WGST 5633/WRIT 5533</td>
<td>Sport, Culture, and Society</td>
</tr>
<tr>
<td>WGSS 5500</td>
<td>Topics in Women's, Gender, and Sexuality Studies</td>
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**Total Credit Hours**: 18

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Women's, Gender, and Sexuality Studies Interdisciplinary Minor

Minor Program

Select three to six hours from:

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<tr>
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<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>3-6</td>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td></td>
<td>WGSS 2200</td>
<td>Gender in Global Contexts</td>
</tr>
</tbody>
</table>

Select nine to twelve hours from the following:

(At least 9 credit hours must be from courses numbered 3000 or higher.)

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<thead>
<tr>
<th>Credit Hours</th>
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<th>Title</th>
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<tbody>
<tr>
<td>9-12</td>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td></td>
<td>WGSS 2200</td>
<td>Gender in Global Contexts</td>
</tr>
<tr>
<td></td>
<td>SOCI 3399</td>
<td>Sociology of Sexuality</td>
</tr>
<tr>
<td></td>
<td>CRJU 3535</td>
<td>Victimology</td>
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<td>WGSS Internship</td>
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Major Requirements

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<td>Women &amp; Gender in Amer Hist</td>
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<tr>
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<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 5700</td>
<td>Perspectives in Feminist Theory</td>
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Arts and Humanities

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<tbody>
<tr>
<td>COMM 5025</td>
<td>Popular Culture Theory and Criticism</td>
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<tr>
<td>COMS 5331</td>
<td>Communication and Conflict</td>
</tr>
<tr>
<td>ENGL 5238</td>
<td>Irish Women Writers</td>
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<tr>
<td>FILM 5040</td>
<td>Women in Film</td>
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<tr>
<td>HIST 3236</td>
<td>History of Latinos/as in the United States</td>
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<td>HIST 4131</td>
<td>Biography and History</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 4530</td>
<td>Revelation and Revolution</td>
</tr>
<tr>
<td>HIST 5138</td>
<td>The New South</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>LING 3337</td>
<td>Language, Power, Politics</td>
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<tr>
<td>PHIL 4130</td>
<td>Feminist Philosophy</td>
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<tr>
<td>RELS 3235</td>
<td>Religion, Sex, and Gender</td>
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<tr>
<td>WGSS 3510</td>
<td>Gender, Violence and Society</td>
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<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
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<tr>
<td>WGSS 5000</td>
<td>Topics in Women's, Gender, and Sexuality Studies</td>
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<tr>
<td>WGSS 5500</td>
<td>Topics in Women's Leadership</td>
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<tr>
<td>WRIT 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
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<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
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<tr>
<td>WRIT 3435</td>
<td>Writing and Healing</td>
</tr>
<tr>
<td>WRIT 4570</td>
<td>Writing, Rhetoric, and Culture</td>
</tr>
<tr>
<td>WRIT 5533</td>
<td>Teaching College Composition</td>
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<tr>
<td>WRIT 5570</td>
<td>Advanced Writing, Rhetoric, and Culture</td>
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</table>

Total Credit Hours: 15

Advisement

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College of Behavioral and Social Sciences

CBSS Vision

CBSS aims to become a recognized leader in creating safe, strong, and healthy communities through education, research and creative scholarship, and community engagement. CBSS strives for real-world impacts in enhancing cultural understanding and belonging; promoting social, behavioral, and emotional health; and fostering vibrant social, civic, and political institutions.

CBSS Mission

CBSS prepares students to be life-long learners, productive citizens, and effective leaders in a diverse and global social world and uses our research expertise to improve the lives of others. Emphasizing high-impact teaching and learning strategies, our programs apply diverse scientific methodologies to behavioral and social issues and work in teams to solve complex problems. By working with faculty and our community partners to make a positive impact on social life, CBSS produces graduates and supports communities ready to meet the challenges of today AND tomorrow.

Culture:

CBSS values the pursuit and dissemination of knowledge about culture, the impact of culture on individuals and groups, and differences between...
cultures. Culture is the lens through which individuals and groups experience, understand, and evaluate social life and interactions with others. CBSS is committed to educating and increasing the understanding of the historical developments of culture; the influence of culture on behaviors, attitudes, values, and beliefs; and the ways in which culture influences design, development, and interactions across a variety of contexts. People.

Belonging:
Differences between people define social life. CBSS values differences in all forms. CBSS is committed to building inclusive communities and organizations that affirm, value, and engage all identities. In CBSS, everybody belongs because of the differences that each individual brings to the classroom, research settings, and community-building processes within the college and across our communities. Purpose.

Science:
Applying a variety of scientific methods to the study of social issues is at the heart of every discipline in the college. CBSS values science as the framework for understanding human behavior, designing spaces and materials that function effectively, analyzing public policy, increasing public safety, understanding political engagement, managing public organizations, and supporting healthy families, among the hundreds of other ways science is used across CBSS to better our communities.

Service:
The work of CBSS is done toward one goal—making a positive difference in the lives of others and in our communities. CBSS directly engages stakeholders across our communities to improve social conditions and quality-of-life. We value the application of our scientific expertise to serving our communities in a variety of roles, including mental health support, family education programs, high-quality child care and education, community-based research, and service on a variety of impactful community organizations. Growing Ourselves to Grow Others.

Visit us at our website at cbss.georgiasouthern.edu

College Structure
- Department of Criminal Justice and Criminology (p. 105)
- Department of Political Science and International Studies (p. 109)
- Department of Psychology (p. 117)
- Department of Public and Nonprofit Studies (p. 120)
- Department of Sociology and Anthropology (p. 121)
- School of Human Ecology (p. 125)

Programs
Majors
- Anthropology B.A. (p. 122)
- Child and Family Development B.S. (Concentration in Child Development) (p. 125)
- Child and Family Development B.S. (Concentration in Child Life) (p. 126)
- Child and Family Development B.S. (Concentration in Family Services) (p. 127)
- Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 128)
- Criminal Justice and Criminology B.S. (Emphasis in Criminal Justice and Criminology) (p. 105)
- Criminal Justice and Criminology B.S. (Emphasis in Cybercrime) (p. 106)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Design) (p. 129)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Merchandising) (p. 130)
- Interior Design B.S. (p. 131)
- International Studies B.A. (Foreign Language Emphasis) (p. 110)
- International Studies BA (Regional Emphasis) (p. 110)
- International Trade B.S. (p. 113)
- Political Science B.A. (p. 114)
- Political Science B.A. (Concentration in Law and Politics) (p. 115)
- Psychology B.S. (p. 119)
- Recreation B.S. (Emphasis in Outdoor Recreation) (p. 133)
- Recreation B.S. (Emphasis in Recreational Therapy) (p. 133)
- Recreation B.S. (Emphasis in Tourism and Community Leisure Services) (p. 134)
- Sociology B.S. (p. 124)

Minors
- Anthropology Minor (p. 123)
- Applied Behavior Analysis Minor (p. 117)
- Asian Studies Minor (p. 109)
- Child and Family Development Minor (p. 129)
- Criminal Justice and Criminology Minor (p. 108)
- Cybercrime Minor (p. 108)
- Fashion Merchandising and Apparel Design Minor (p. 131)
- Gerontology Interdisciplinary Minor (p. 123)
- International Studies Interdisciplinary Minor (p. 112)
- Mental Health Minor (p. 117)
- Neuroscience Minor (p. 118)
- Nonprofit Management Minor (p. 120)
- Organizational Psychology Minor (p. 118)
- Political Science Minor (p. 116)
- Psychology Minor (p. 120)
- Public Administration Minor (p. 112)
- Public Policy Minor (p. 121)
- Recreation and Tourism Management Minor (p. 132)
- Sociology Minor (p. 125)

Certificates

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.

Dean: Dr. Ryan Schroeder
Veazey Hall, Suite 2000
P.O.Box 8094
Statesboro Campus
(912) 478-8641
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. 105)
• Criminal Justice and Criminology B.S. (Emphasis in Cybercrime) (p. 106)

Minors

• Criminal Justice and Criminology Minor (p. 108)
• Cybercrime Minor (p. 108)

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.
Select 18 credit hours from the following:

- **Electives**
- **Upper Division Criminal Justice and Criminology**

Select 3 credit hours from the following:

- **Emphasis in Criminal Justice and Criminology**

Major Requirements 12

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CRJU 3110</td>
<td>Legal Process</td>
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<tr>
<td>CRJU 3120</td>
<td>Ethics in Criminal Justice</td>
</tr>
<tr>
<td>CRJU 3234</td>
<td>Research Methods</td>
</tr>
<tr>
<td>CRJU 3420</td>
<td>Applying Elementary Statistics in Justice and Crime Research</td>
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Emphasis in Criminal Justice and Criminology 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CRJU 3233</td>
<td>Criminology</td>
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Select 3 credit hours from the following: 3

<table>
<thead>
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<th>Course</th>
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<tr>
<td>CRJU 3131</td>
<td>Criminal Law</td>
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<tr>
<td>CRJU 3133</td>
<td>Evidence and Procedure</td>
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Capstone Course 3

Select 3 credit hours from the following: 3

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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CRJU 4910</td>
<td>Senior Seminar CRJU &amp; Crim</td>
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<tr>
<td>CRJU 4792</td>
<td>Internship in Justice Studies</td>
</tr>
<tr>
<td>HONS 4610</td>
<td>Honors Research Seminar</td>
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Upper Division Criminal Justice and Criminology Electives 15

Select 18 credit hours from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CRJU 3134</td>
<td>Investigations</td>
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<tr>
<td>CRJU 3160</td>
<td>Corporate Crime</td>
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<tr>
<td>CRJU 3170</td>
<td>Criminal Justice Admin</td>
</tr>
<tr>
<td>CRJU 3263</td>
<td>Cyber Criminology</td>
</tr>
<tr>
<td>CRJU 3431</td>
<td>Juvenile Justice</td>
</tr>
<tr>
<td>CRJU 3432</td>
<td>Gangs and Society</td>
</tr>
<tr>
<td>CRJU 3531</td>
<td>Victimology</td>
</tr>
<tr>
<td>CRJU 3534</td>
<td>Drugs and Society</td>
</tr>
<tr>
<td>CRJU 3535</td>
<td>Family Violence</td>
</tr>
<tr>
<td>CRJU 3536</td>
<td>School Violence</td>
</tr>
<tr>
<td>CRJU 3538</td>
<td>Gender, Crime, and Justice</td>
</tr>
<tr>
<td>CRJU 3631</td>
<td>Crime and Justice in Public Policy</td>
</tr>
<tr>
<td>CRJU 3732</td>
<td>Conflict Resolution</td>
</tr>
<tr>
<td>CRJU 3733</td>
<td>Inequalities, Crime, and Justice</td>
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<tr>
<td>CRJU 3831</td>
<td>Popular Culture and Justice</td>
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<td>CRJU 3931</td>
<td>Issues in Homeland Security</td>
</tr>
<tr>
<td>CRJU 4031</td>
<td>Community-Based Supervision and Treatment</td>
</tr>
<tr>
<td>CRJU 4092</td>
<td>Special Topics in Criminology</td>
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<tr>
<td>CRJU 4093</td>
<td>Special Topics in Criminal Justice</td>
</tr>
<tr>
<td>CRJU 4135</td>
<td>Directed Study in Criminal Justice and Criminology</td>
</tr>
<tr>
<td>CRJU 4137</td>
<td>Law, Justice, and Society</td>
</tr>
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<td>CRJU 4531</td>
<td>Comparative Justice Systems</td>
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<td>CRJU 4532</td>
<td>Organized Crime in a Global Society</td>
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<td>CRJU 4639</td>
<td>Inside-Out</td>
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<tr>
<td>CRJU 4792</td>
<td>Internship in Justice Studies</td>
</tr>
<tr>
<td>CRJU 5003</td>
<td>Cyber Forensics</td>
</tr>
<tr>
<td>CRJU 5010</td>
<td>Applied Digital Forensics I</td>
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<td>CRJU 5020</td>
<td>Applied Digital Forensics II</td>
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<tr>
<td>CRJU 5060</td>
<td>Special Topics in Cybercrime</td>
</tr>
<tr>
<td>CRJU 5360</td>
<td>Hackers, Malware, and Online Economic Crime</td>
</tr>
</tbody>
</table>

CRJU 5361 | Cybercrimes against Persons and Society         |

Social Science Multidisciplinary Electives 6

Select six credit hours of upper division (3000 and above) social science and related courses 4

Electives 15

Select 15 credit hours of free electives

Total Credit Hours 124

---

1. Select an additional course if CRJU 2010 was taken and utilized to satisfy Area B.
2. Students may take STAT 1401 as a substitute for this course.
3. Not all electives are offered on each campus.
4. Upper division social science and related courses may include courses from Sociology, Anthropology, Political Science, Public Administration, International Studies, and Legal Studies. History and philosophy courses and other courses also may be included, with permission of the student’s major advisor.

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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

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---

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.
Select nine credit hours from the following:

Select three credit hours from the following:

Upper Division Cybercrime Electives

Select three credit hours from the following:

CRJU  1100 Introduction to Criminal Justice
CRJU  2010 Universal Justice
CRJU  2210 Introduction to Policing
CRJU  2410 Introduction to Corrections
Select six credit hours from the following:  \(^3\)

ANTH  1102 Introduction to Anthropology
CSCI  2120 Computers, Ethics and Society
INTS  2130 Introduction to International Studies
IT  1330 Programming for Information Technology
PBAD  2231 Introduction to Public Administration
POLS  2101 Introduction to Political Science
PSYC  1101 Introduction to Psychology
SOCL  1101 Introduction to Sociology

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<tr>
<td>CRJU</td>
<td>Legal Process</td>
<td>3</td>
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<td>CRJU</td>
<td>Ethics in Criminal Justice</td>
<td>3</td>
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<tr>
<td>CRJU</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Applying Elementary Statistics in Justice and Crime Research</td>
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</table>

Emphasis in Cybercrime  \(^3\)

<table>
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<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>CRJU</td>
<td>Introduction to Cybercrime</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Applied Digital Forensics I</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Applied Digital Forensics II</td>
<td>3</td>
</tr>
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</table>
Select three credit hours from the following:  \(^3\)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CRJU</td>
<td>Cyber Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Criminology</td>
<td>3</td>
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</table>
Select three credit hours from one of the following:  \(^3\)

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<tr>
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<th>Credit Hours</th>
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<tr>
<td>CRJU</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Evidence and Procedure</td>
<td>3</td>
</tr>
</tbody>
</table>

Capstone Course

Select three credit hours from the following:  \(^3\)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>CRJU</td>
<td>Senior Seminar CRJU &amp; Crim</td>
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<td>CRJU</td>
<td>Internship in Justice Studies</td>
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<td>HONS</td>
<td>Honors Research Seminar</td>
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Upper Division Cybercrime Electives  \(^4\)

Select three credit hours from the following:  \(^3\)

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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</thead>
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<td>CRJU</td>
<td>Cyber Criminology</td>
<td>3</td>
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<tr>
<td>CRJU</td>
<td>Special Topics in Cybercrime</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Hackers, Malware, and Online Economic Crime</td>
<td>3</td>
</tr>
<tr>
<td>CRJU</td>
<td>Cybercrimes against Persons and Society</td>
<td>3</td>
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</table>
Select nine credit hours from the following:  \(^5\)

<table>
<thead>
<tr>
<th>Course</th>
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<td>CRJU</td>
<td>Investigations</td>
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<td>CRJU</td>
<td>Corporate Crime</td>
<td>9</td>
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<td>CRJU</td>
<td>Criminal Justice Admin</td>
<td>9</td>
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<tr>
<td>CRJU</td>
<td>Juvenile Justice</td>
<td>9</td>
</tr>
<tr>
<td>CRJU</td>
<td>Gangs and Society</td>
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</tr>
<tr>
<td>CRJU</td>
<td>Victimology</td>
<td>9</td>
</tr>
<tr>
<td>CRJU</td>
<td>Drugs and Society</td>
<td>9</td>
</tr>
<tr>
<td>CRJU</td>
<td>Family Violence</td>
<td>9</td>
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<tr>
<td>CRJU</td>
<td>School Violence</td>
<td>9</td>
</tr>
</tbody>
</table>

Select six credit hours from the following:

CRJU  2410 Introduction to Policing
CRJU  2210 Introduction to Policing
CRJU  1100 Introduction to Criminal Justice
CRJU  2010 Universal Justice
CRJU  2210 Introduction to Policing
CRJU  2410 Introduction to Corrections
Select six credit hours from the following:

CRJU  3931 Applied Element Statistical Research Methods
CRJU  3133 Legal Process
CRJU  3131 Criminal Law
CRJU  3133 Evidence and Procedure

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

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Honors in Criminal Justice and Criminology

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- be in good standing in the University Honors Program at the time of graduation.

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Criminal Justice and Criminology Minor

Prerequisite(s)

<table>
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<th>Prerequisite Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CRJU 1100 Introduction to Criminal Justice</td>
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Total Credit Hours 3

Program Minor Requirements

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<tr>
<td>CRJU 3233 Criminology</td>
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Select 12 credit hours from the following: 12

<table>
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<tr>
<td>CRJU 3133 Evidence and Procedure</td>
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<td>CRJU 3134 Investigations</td>
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<td>CRJU 3160 Corporate Crime</td>
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<tr>
<td>CRJU 3170 Criminal Justice Admin</td>
<td></td>
</tr>
<tr>
<td>CRJU 3234 Research Methods</td>
<td></td>
</tr>
<tr>
<td>CRJU 3263 Cyber Criminology</td>
<td></td>
</tr>
<tr>
<td>CRJU 3420 Applying Elementary Statistics in Justice and Crime Research</td>
<td></td>
</tr>
<tr>
<td>CRJU 3431 Juvenile Justice</td>
<td></td>
</tr>
<tr>
<td>CRJU 3432 Gangs and Society</td>
<td></td>
</tr>
<tr>
<td>CRJU 3531 Victimization</td>
<td></td>
</tr>
<tr>
<td>CRJU 3534 Drugs and Society</td>
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<tr>
<td>CRJU 3535 Family Violence</td>
<td></td>
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<tr>
<td>CRJU 3536 School Violence</td>
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<tr>
<td>CRJU 3538 Gender, Crime, and Justice</td>
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<tr>
<td>CRJU 3631 Crime and Justice in Public Policy</td>
<td></td>
</tr>
<tr>
<td>CRJU 3732 Conflict Resolution</td>
<td></td>
</tr>
<tr>
<td>CRJU 3733 Inequalities, Crime, and Justice</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Criminal Justice and Criminology

Advisement

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Cybercrime Minor

All courses in the minor also require a "C" or better.

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 1100 Introduction to Cybercrime</td>
<td>15</td>
</tr>
<tr>
<td>CRJU 1210 Introduction to Cybercrime</td>
<td></td>
</tr>
<tr>
<td>IT 1330 Programming for Information Technology</td>
<td></td>
</tr>
<tr>
<td>CRJU 5010 Applied Digital Forensics I</td>
<td></td>
</tr>
<tr>
<td>CRJU 5020 Applied Digital Forensics II</td>
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</tr>
<tr>
<td>Select three credit hours from the following:</td>
<td>3</td>
</tr>
<tr>
<td>CRJU 3263 Cyber Criminology</td>
<td></td>
</tr>
<tr>
<td>CRJU 5060 Special Topics in Cybercrime</td>
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</tr>
<tr>
<td>CRJU 5360 Hackers, Malware, and Online Economic Crime</td>
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</tr>
<tr>
<td>CRJU 5361 Cybercrimes against Persons and Society</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18

1 Requires College Algebra (MATH 1111) in Core Area A.
Contact
Chair, Department of Criminal Justice and Criminology

Advisement
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Department of Political Science and International Studies
The Department of Political Science and International Studies fosters the development of civically-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 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. (Foreign Language Emphasis) (p. 110)
- International Studies BA (Regional Emphasis) (p. 110)
- International Trade B.S. (p. 113)
- Political Science B.A. (p. 114)
- Political Science B.A. (Concentration in Law and Politics) (p. 115)

Minors
- Asian Studies Minor (p. 109)
- International Studies Interdisciplinary Minor (p. 112)
- Political Science Minor (p. 116)

Asian Studies Minor

Minor Program

Credit Hours

All courses in the minor also require a C or better.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 2130</td>
<td>Introduction to International Studies</td>
<td>3</td>
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</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL XXXX</td>
<td>Literature of the Non-Western World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3200</td>
<td>Traditional China</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3532</td>
<td>The Modern Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3534</td>
<td>Modern Southeast Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5243</td>
<td>Topics in Asian History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5532</td>
<td>Modern China</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3132</td>
<td>Asian Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4240</td>
<td>Asian Regional Security</td>
<td>3</td>
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<tr>
<td>POLS 4410</td>
<td>Asia and the United States</td>
<td>3</td>
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<tr>
<td>POLS 4460</td>
<td>Politics of East Asia</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4560</td>
<td>Comparative Foreign Policy</td>
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</tr>
<tr>
<td>POLS 4570</td>
<td>Politics and Security in Southwest Asia</td>
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</table>

One course selected from:

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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>ECON 1150</td>
<td>Prin of Macroeconomics by WC</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5200</td>
<td>Postcolonial Literature</td>
<td>3</td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender in Global Contexts</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

Contact

Chair, Department of Political Science and International Studies
Carroll Building
(912) 478-5698

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

International Studies B.A. (Foreign Language Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses (p. 264) in Area A1 through Area E.

The Bachelor of Arts program in International Studies with a Foreign Language Emphasis is designed to provide students with a basic knowledge of world affairs and how they affect U.S. foreign and domestic policies. This track in the degree contains a foreign language emphasis. One of the main objectives of this program is to prepare students to cope realistically and intelligently with the changing world, a world that is becoming increasingly interdependent and in which vast new multiplications of cultural forces are emerging.

Track 2: Foreign Language Emphasis

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>INTS 3620 Research Methods in International Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INTS 4090 Sel Topics Intl Studies</td>
</tr>
<tr>
<td></td>
<td>INTS 4630 Seminar in International Studies</td>
</tr>
</tbody>
</table>

Required Topical Course Selections 1 15
Please complete 15 credit hours in one of the following areas:

1. Development, Aid, and Sustainability
2. Security, Conflict, and Diplomacy
3. Societies, Cultures, and Traditions

Required Regional Course Selections 6
Select one 3 credit hour course from two of the following areas:

1. Asia
2. Africa
3. Latin America
4. Europe

Theory Course Selection 3
Chosen with Advisor

Foreign Language Emphasis 15
Follow the same guidelines for a selected Foreign Language Minor

Electives or Internship 6
Select 6 credit hours of Electives or Internship

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 course list for Topical, Regional, and Theory are available in the Center for International Studies in the Carroll 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

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International Studies BA (Regional Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses (p. 264) in Area A1 through Area E.
The Bachelor of Arts in International Studies with a Regional Emphasis is designed to provide students with a basic knowledge of world affairs and how they affect U.S. foreign and domestic policies. This track in the degree contains an enhanced regional emphasis (15 credit hours) in one of five regions including Asia, Africa, Latin America and the Caribbean, Europe, and the Middle East and North Africa. One of the main objectives of this program is to prepare students to cope realistically and intelligently with the changing world, a world that is becoming increasingly interdependent and in which vast new multiplications of cultural forces are emerging.

### Track 1: Regional Emphasis

<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>
</tbody>
</table>

| Area F - Courses Appropriate to Major | 18 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language 2001 - Intermediate I</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 2002 - Intermediate II</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 1102 Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>INTS 2130 Introduction to International Studies</td>
<td>3</td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Select 3-9 credit hours from the following area F electives:</td>
<td></td>
</tr>
<tr>
<td>ECON 2106 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1130 World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2010 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>RELS 2130 Introduction to Religious Studies</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 1101 Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130 Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3230 Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3620 Research Methods in International Studies</td>
<td>3</td>
</tr>
<tr>
<td>INTS 4630 Seminar in International Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

### Topical Course Selection - Select one area

1. Development, Aid, and Sustainability
2. Security, Conflict, and Diplomacy
3. Societies, Cultures, and Traditions

### Regional Emphasis - Select 15 hours of courses from one of the regions below.

1. Asia
2. Africa
3. Latin America and Caribbean
4. Europe
5. Middle East and North Africa

### Theory Course Selection (chosen with advisor)

- Electives or Internship: 15 credit hours

### Total Credit Hours

124

### 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

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### International Studies Interdisciplinary Concentration

#### Concentration Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130 Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3230 Global Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

### Total Credit Hours

18

Copies of the list of approved courses are available through the Department of Political Science & International Studies.

### Advisement

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---

1. Note: Students must earn a minimum grade of “C” in all INTS designated courses and all courses within the major requirements.
2. The course list for the Regional Emphasis and Topical and Theory selections are available in the Department of Political Science and International Studies in the Carroll Building.
3. Asian Studies Minor fulfills this requirement.
4. Africana Studies Minor fulfills this requirement.
5. Latin American Studies Minor fulfills this requirement.
6. European Union Studies Minor fulfills this requirement.

Note: Students must earn a minimum grade of “C” in all INTS designated courses and all courses within the major requirements.
# International Studies Interdisciplinary Minor

## Prerequisite(s)

### Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>INTS 2130</td>
<td>3</td>
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</table>

**Total Credit Hours:** 3

## Minor Program

### Course Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>INTS 3130</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3230</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 6

An additional 9 credit hours of courses with significant International Studies dimension in at least two disciplines other than the major must be completed for a total of 15 credit hours. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the director of the International Studies Interdisciplinary Minor.

On a regular basis, students pursuing the minor in International Studies should consult with the Director of the International Studies Interdisciplinary minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ANTH 3332</td>
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<td>ANTH 3333</td>
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<td>ANTH 3431</td>
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<td>ANTH 4334</td>
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<td>ANTH 4433</td>
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<td>ARAB 3030</td>
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<td>ARTH 3534</td>
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</tbody>
</table>
International Trade B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses (p. 264) 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.

General Requirements (Core Areas A - E) 42

Area F - Courses Appropriate to Major 18

BUSA 1105 Introduction to Business
CISM 2530 Advanced Business Applications
ECON 2106 Principles of Microeconomics
Foreign Language 2002 - Intermediate II
INTS 2130 Introduction to International Studies

Specific Requirements Beyond Area A1-F

ACCT 2030 Survey of Accounting or ACCT 2101 Principles of Accounting I 3

Major Requirements

Business Core 18
Select 18 credit hours from the following:

ECON 3132 & ECON 3232 International Trade and International Macroeconomics
FINC 3131 & FINC 3133 Principles of Corporate Finance and International Finance
GEOG 5231 & GEOG 3440 Economic Geography and Introduction to GIS and Cartography
LOGT 2232 & LOGT 4232 Introduction to Supply Chain Management and International Supply Chain Systems
MKTG 3131 & MKTG 4136 Principles of Marketing and International Marketing

International Studies Core 9

INTS 3130 Contemporary World Cultures
INTS 3230 Global Issues
POLS 4133 International Political Economy

Minor (Must be in a Foreign Language) 3

Appropriate 3530 Foreign Language course

Four additional Foreign Language courses at the 3000 and 4000 level 12

Internship 9

Internship abroad with an international business using a foreign language on the job. Intensive study of language and culture in a total immersion environment

Electives 6

Select 6 credit hours of advisor approved Electives

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Advisement (p. 263) catalog page.

### Political Science 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>
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<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td></td>
<td>Foreign Language 2001 - Intermediate I</td>
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<td></td>
<td>Foreign Language 2002 - Intermediate II</td>
<td></td>
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<tr>
<td></td>
<td>PHIL 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLS 2101 Introduction to Political Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLS 2130 Introduction to Political Analysis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following. If any of the above are taken to satisfy Areas C-E, also select from the following:</td>
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<tr>
<td></td>
<td>ANTH 1102 Introduction to Anthropology</td>
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<tr>
<td></td>
<td>ECON 2106 Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEOG 1130 World Regional Geography</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSYC 1101 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOCI 1101 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STAT 1401 Elementary Statistics</td>
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</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td>POLS 5000+</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>POLS 5630</td>
<td>Seminar in American Politics</td>
</tr>
<tr>
<td>POLS 5631</td>
<td>Seminar in Political Theory</td>
</tr>
<tr>
<td>POLS 5633</td>
<td>Seminar in International Relations</td>
</tr>
<tr>
<td>POLS 5634</td>
<td>Seminar in Comparative Politics</td>
</tr>
<tr>
<td>POLS 5635</td>
<td>Seminar in International Organizations</td>
</tr>
</tbody>
</table>

Select one course from each emphasis:

**American Politics:** 3

- POLS 3135 Legislative Behavior
- POLS 3136 The Presidency
- POLS 3137 Judicial Politics
- POLS 3138 Constitutional Law: Government Powers
- POLS 3139 Constitutional Law: Civil Liberties and Civil Rights
- POLS 3233 Politics and The Media
- POLS 3330 State and Local Government
- POLS 3331 Introduction to Bureaucratic Politics
- POLS 3332 Political Parties and Elections
- POLS 4131 Introduction to Public Affairs
- POLS 4190 Environmental Laws and Regulations
- POLS 4210 Politics of Public Policy
- POLS 4220 Politics of Economic Inequality
- POLS 4440 Immigration Law and Policy

**Comparative Politics:** 3

- POLS 3132 Asian Politics
- POLS 3133 Latin American Politics
- POLS 3134 Middle East Politics
- POLS 3235 Women and Politics
- POLS 3335 Ethnicity and Nationalism
- POLS 3340 Pol & Ideol/Contemporary Euro
- POLS 3431 African Politics
- POLS 3433 Survey of Comparative Politics
- POLS 4136 Politics of the Global North
- POLS 4137 Politics of the Global South
- POLS 4220 Politics of Economic Inequality
- POLS 4410 Asia and the United States
- POLS 4460 Politics of East Asia
- POLS 4490 Russian Politics
- POLS 4520 Comparative Judicial Systems
- POLS 4560 Comparative Foreign Policy

**International Politics:** 3

- POLS 3234 Introduction to the European Union
- POLS 3236 International Relations
- POLS 3239 Human Rights in International Relations
- POLS 3530 Global Environmental Politics
- POLS 3551 Introduction to United Nations
- POLS 4132 U.S. Foreign Policy
- POLS 4133 International Political Economy
- POLS 4134 International Law and Diplomacy
- POLS 4135 International Organizations
- POLS 4138 International Terrorism
- POLS 4238 International Conflict
- POLS 4239 Politics and the Military
- POLS 4240 Asian Regional Security
- POLS 4510 National Security of the Developing South
- POLS 4550 Insurgency and Civil War
- POLS 4570 Politics and Security in Southwest Asia
- POLS 4580 Violent Non-State Actors

**Political Theory:** 3

- 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
To all degree-seeking undergraduate students by professional advisors.

Undergraduate Academic Advisement at Georgia Southern is provided.

Advisement

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.

Honors in Political Science

To graduate with Honors in Political Science, a student must:

- be admitted to the University Honors Program;

Honors in Political Science (Concentration in Law and Politics)

Degree Requirements: 124 Credit Hours

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

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

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Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Political Science B.A. (Concentration in Law and Politics)

Degree Requirements: 124 Credit Hours

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major 18

Foreign Language 2001 - Intermediate I
Foreign Language 2002 - Intermediate II
PHIL 2010 Introduction to Philosophy
POLS 2101 Introduction to Political Science
POLS 2130 Introduction to Political Analysis

Select one of the following. If any of the above are taken to satisfy Areas C-E, also select from the following:

ANTH 1102 Introduction to Anthropology
ECON 2106 Principles of Microeconomics
GEOG 1130 World Regional Geography
PSYC 1101 Introduction to Psychology

SOCIO 1101 Introduction to Sociology
STAT 1401 Elementary Statistics

Major Requirements

Senior Seminar (Select one of the following) 3

POLS 5630 Seminar in American Politics
POLS 5631 Seminar in Political Theory
POLS 5633 Seminar in International Relations
POLS 5634 Seminar in Comparative Politics
POLS 5635 Seminar in International Organizations

Select one course from each emphasis:

American Politics:

- POLS 3135 Legislative Behavior
- POLS 3136 The Presidency
- POLS 3137 Judicial Politics
- POLS 3138 Constitutional Law: Government Powers
- POLS 3139 Constitutional Law: Civil Liberties and Civil Rights
- POLS 3233 Politics and The Media
- POLS 3330 State and Local Government
- POLS 3331 Introduction to Bureaucratic Politics
- POLS 3332 Political Parties and Elections
- POLS 4131 Introduction to Public Affairs
- POLS 4190 Environmental Laws and Regulations
- POLS 4210 Politics of Public Policy
- POLS 4220 Politics of Economic Inequality
- POLS 4440 Immigration Law and Policy

Comparative Politics: 3

- POLS 3132 Asian Politics
- POLS 3133 Latin American Politics

Undergraduate Catalog 115
Political Science Minor

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>POLS 3134</td>
<td>Middle East Politics</td>
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<tr>
<td>POLS 3235</td>
<td>Women and Politics</td>
<td></td>
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<tr>
<td>POLS 3335</td>
<td>Ethnicity and Nationalism</td>
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<tr>
<td>POLS 3400</td>
<td>Pol &amp; Ideol/Contemporary Euro</td>
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<td>POLS 3413</td>
<td>African Politics</td>
<td></td>
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<tr>
<td>POLS 3431</td>
<td>Survey of Comparative Politics</td>
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<tr>
<td>POLS 4136</td>
<td>Politics of the Global North</td>
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<td>POLS 4137</td>
<td>Politics of the Global South</td>
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<td>POLS 4220</td>
<td>Politics of Economic Inequality</td>
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<td>POLS 4410</td>
<td>Asia and the United States</td>
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<tr>
<td>POLS 4460</td>
<td>Politics of East Asia</td>
<td></td>
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<tr>
<td>POLS 4490</td>
<td>Russian Politics</td>
<td></td>
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<td>POLS 4520</td>
<td>Comparative Judicial Systems</td>
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<tr>
<td>POLS 4560</td>
<td>Comparative Foreign Policy</td>
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International Politics:

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>POLS 3234</td>
<td>Introduction to the European Union</td>
<td></td>
</tr>
<tr>
<td>POLS 3236</td>
<td>International Relations</td>
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<tr>
<td>POLS 3239</td>
<td>Human Rights in International Relations</td>
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<td>POLS 3530</td>
<td>Global Environmental Politics</td>
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<tr>
<td>POLS 3551</td>
<td>Introduction to United Nations</td>
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<tr>
<td>POLS 4132</td>
<td>U.S. Foreign Policy</td>
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<tr>
<td>POLS 4133</td>
<td>International Political Economy</td>
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<tr>
<td>POLS 4134</td>
<td>International Law and Diplomacy</td>
<td></td>
</tr>
<tr>
<td>POLS 4135</td>
<td>International Organizations</td>
<td></td>
</tr>
<tr>
<td>POLS 4138</td>
<td>International Terrorism</td>
<td></td>
</tr>
<tr>
<td>POLS 4238</td>
<td>International Conflict</td>
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<tr>
<td>POLS 4239</td>
<td>Politics and the Military</td>
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<td>POLS 4240</td>
<td>Asian Regional Security</td>
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<td>POLS 4510</td>
<td>National Security of the Developing South</td>
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<td>POLS 4550</td>
<td>Insurgency and Civil War</td>
<td></td>
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<td>POLS 4570</td>
<td>Politics and Security in Southwest Asia</td>
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<td>POLS 4580</td>
<td>Violent Non-State Actors</td>
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Political Theory:

<table>
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<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>POLS 3230</td>
<td>Modern Political Thought</td>
<td></td>
</tr>
<tr>
<td>POLS 3336</td>
<td>Ancient Political Thought</td>
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<td>POLS 3340</td>
<td>Pol &amp; Ideol/Contemporary Euro</td>
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<tr>
<td>POLS 3350</td>
<td>Classics of Political Thought</td>
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<td>POLS 4130</td>
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<td>POLS 4139</td>
<td>Contemporary Political Thought</td>
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<td>POLS 4300</td>
<td>Religion &amp; Political Thought</td>
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<td>POLS 4330</td>
<td>Liberalism and the Modern State</td>
<td></td>
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<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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Concentration in Law and Politics Requirements:

Required courses:

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<td>POLS 3137</td>
<td>Judicial Politics</td>
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<tr>
<td>POLS 3138</td>
<td>Constitutional Law: Government Powers</td>
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<td>POLS 3139</td>
<td>Constitutional Law: Civil Liberties and Civil Rights</td>
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<tr>
<td>POLS 4134</td>
<td>International Law and Diplomacy</td>
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<tr>
<td>or POLS 3499</td>
<td>Comparative Judicial Politics</td>
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Electives:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>POLS 3101</td>
<td>Moot Court I</td>
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<td>POLS 3438</td>
<td>Gender and the Law</td>
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</tr>
<tr>
<td>POLS 3439</td>
<td>Comparative Judicial Politics</td>
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</table>

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

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Political Science Minor

Prerequisite(s)

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>POLS 2101</td>
<td>Introduction to Political Science</td>
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</table>

Total Credit Hours 3

Minor Program

Course Requirements:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>POLS - Upper Division courses (Planned with major advisor)</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Political Science and International Studies
Carroll Building
(912) 478-5698
Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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. degree program 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.S. (p. 119)

Minors
- Applied Behavior Analysis Minor (p. 117)
- Mental Health Minor (p. 117)
- Neuroscience Minor (p. 118)
- Organizational Psychology Minor (p. 118)
- Psychology Minor (p. 120)

Certificates
No results were found.

Applied Behavior Analysis Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 1101</td>
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</tbody>
</table>

Minor Program

Course Requirements: Credit Hours
Select one of the following: 3
PSYC 3101 Abnormal Psychology
PSYC 4090 or PSYC 4091
PSYC 4791 Practicum in Behavior Analysis
Required Courses: 12
PSYC 3410 Introduction to Behavior Analysis
PSYC 3420 Principles of Behavior Change
PSYC 3430 Behavior Assessment
PSYC 3440 Behavior Change Techniques
Total Credit Hours 15

The Applied Behavior Analysis Minor is open to any major. Coursework may not be counted towards the Mental Health, Organizational Psychology, or Neuroscience Minor.

Contact
Associate Chair of Psychology
Science Center
(912) 344-2762

Advisement

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Mental Health Minor

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>Required Prerequisite Course(s)</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td>3</td>
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</table>

Total Credit Hours 3

Minor Program

Course Requirements Credit Hours
Select five of the following:
PSYC 3101 Abnormal Psychology
PSYC 3104 Principles of Learning
PSYC 3230 Psychology of Adjustment
PSYC 3235 Behavior Modification
PSYC 3236 Psychology of Substance Abuse
PSYC 3337 Psychological Tests and Measurements
PSYC 3410 Introduction to Behavior Analysis
PSYC 4102 Clinical Psychology

Total Credit Hours 15
Neuroscience Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Prerequisite Course(s)</th>
<th>Credit Hours</th>
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<tr>
<td>BIOL 1107 Principles of Biology I</td>
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<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td>3</td>
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</table>

Total Credit Hours: 6

Minor Program

Course Requirements

Choose one of the following: 3-4

| BIOL 2081 Human Anatomy and Physiology I | 3 |
| BIOL 5200 Mammalian Physiology | 3 |
| BIOL 5230 Comparative Animal Physiology | 3 |

Choose one of the following: 3

| BIOL 4230 Introduction to Immunology | 3 |
| PSYC 3105 Physiological Psychology | 3 |
| PSYC 3500 Cognitive Neuroscience I | 3 |
| PSYC 4432 Sensation and Perception | 3 |

Choose one of the following: 3

| RHAB 4100 Neuroscience for the Rehabilitation Professions | 3 |
| RHAB 4111 Pathophys for Rehab Prof I | 3 |

Choose one of the following: 3

| BIOL 4230 Introduction to Immunology | 3 |
| PSYC 3105 Physiological Psychology | 3 |
| PSYC 3500 Cognitive Neuroscience I | 3 |
| PSYC 4432 Sensation and Perception | 3 |
| RHAB 4100 Neuroscience for the Rehabilitation Professions | 3 |

One course selected from: 3

| PSYC 4099 Selected Topics | 3 |
| RHAB 4900 Topics in Rehabilitation Sciences | 3 |

Total Credit Hours: 15-16

Contact

Chair, Department of Psychology
Brannen Hall
(912) 478-5539

Advisement

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Organizational Psychology Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Required Prerequisite Course(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td>3</td>
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</tbody>
</table>

Total Credit Hours: 3

Minor Program

Course Requirements

Select five of the following: 15

| PSYC 3106 Social Psychology | 3 |
| PSYC 3170 Human Resource Development Skills | 3 |
| PSYC 3234 Industrial/Organizational Psychology | 3 |
| PSYC 3335 Personality Psychology | 3 |
| PSYC 3337 Psychological Tests and Measurements | 3 |
| PSYC 3338 Leadership and Group Dynamics | 3 |
| PSYC 3900 Research Experience | 3 |
| PSYC 4790 Senior Internship | 3 |

Total Credit Hours: 15

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 Psychology major may not be applied to the Organizational Psychology minor.

Contact

Chair, Department of Psychology
Brannen Hall
(912) 478-5539

Advisement

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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>
</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>

Select 5 courses from at least 4 different topic areas to total at least 15 hours

- Biological and Evolutionary Bases for Behavior
- Drugs and Behavior
- Physiological Psychology
- Evolutionary Psychology
- Animal Behavior
- Sensation and Perception
- Comparative Psychology
- History and Systems
- Principles of Learning
- Behavior Modification
- Introduction to Learning Analysis
- Principles of Behavior Change
- Health Psychology
- Women and Mental Health
- Psychology and Law

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

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Psychology Minor
Prerequisite(s)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC - Upper Division courses (3000-level and above) for which prerequisites are met.</td>
<td>15</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.

Contact
Chair, Department of Psychology
Brannen Hall
(912) 478-5539

Advisement
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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. 120)
- Public Administration Minor (p. 121)
- Public Policy Minor (p. 121)

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, NMLI 2231 Introduction to Nonprofit Management, and then must complete three upper division courses.

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMLI 2231</td>
<td>6</td>
</tr>
<tr>
<td>PBAD 2231</td>
<td>6</td>
</tr>
</tbody>
</table>

Select three of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMLI 3632</td>
<td>9</td>
</tr>
<tr>
<td>NMLI 3633</td>
<td>Social Entrepreneurship, Enterprise, and Innovation</td>
</tr>
<tr>
<td>NMLI 3633</td>
<td>International Non-governmental Organizations</td>
</tr>
<tr>
<td>NMLI 4332</td>
<td>Resource Development and Management for Nonprofits</td>
</tr>
<tr>
<td>NMLI 4333</td>
<td>Strategic Management for Nonprofits</td>
</tr>
</tbody>
</table>
Advisement

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Public Administration Minor

Minor Program

The minor in Public Administration requires a total of 15 credit hours. Students are required to take PBAD 2231 Introduction to Public Administration and complete four upper-division courses.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Required Course:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>PBAD 2231 Introduction to Public Administration</td>
</tr>
</tbody>
</table>

Select four elective courses from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Select four elective courses from the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>NMLI 2231 Introduction to Nonprofit Management</td>
</tr>
<tr>
<td></td>
<td>PBAD 3331 Applied Public Management</td>
</tr>
<tr>
<td></td>
<td>PBAD 3334 Introduction to Public and Nonprofit Financial Management</td>
</tr>
<tr>
<td></td>
<td>PBAD 3431 Public Budgeting</td>
</tr>
<tr>
<td></td>
<td>PBAD 3731 Public Policy</td>
</tr>
<tr>
<td></td>
<td>PBAD 4031 Selected Topics in Public and Nonprofit Management</td>
</tr>
<tr>
<td></td>
<td>PBAD 4231 Administrative Law</td>
</tr>
<tr>
<td></td>
<td>PBAD 4232 Public Service Values and Ethics</td>
</tr>
<tr>
<td></td>
<td>PBAD 4233 Human Capital Management for Administrators</td>
</tr>
<tr>
<td></td>
<td>PBAD 4234 IT and E-government for Public Managers</td>
</tr>
<tr>
<td></td>
<td>PBAD 4235 Research Methods and Evaluation</td>
</tr>
<tr>
<td></td>
<td>PBAD 4331 Leadership &amp; Managerial Innovation</td>
</tr>
<tr>
<td></td>
<td>PBAD 4791 Field Internship in Public Administration</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Public and Nonprofit Studies
Carroll Building
(912) 478-1400
mpa@georgiasouthern.edu

Advisement

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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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>PBAD 2231 Introduction to Public Administration</td>
</tr>
<tr>
<td></td>
<td>PBAD 3731 Public Policy</td>
</tr>
</tbody>
</table>

Select three of the following courses:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Select three of the following courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>PBAD 3333 The Policy Process and Democracy</td>
</tr>
<tr>
<td></td>
<td>PBAD 3732 Policy Analysis</td>
</tr>
<tr>
<td></td>
<td>PBAD 3733 Contemporary Policy Issues</td>
</tr>
<tr>
<td></td>
<td>PBAD 4031 Selected Topics in Public and Nonprofit Management</td>
</tr>
<tr>
<td></td>
<td>PBAD 4235 Research Methods and Evaluation</td>
</tr>
<tr>
<td></td>
<td>PBAD 4334 Policy and Markets</td>
</tr>
<tr>
<td></td>
<td>PBAD 4791 Field Internship in Public Administration</td>
</tr>
</tbody>
</table>

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. describe and explain key research methods of anthropology that are appropriate to a research question;
2. identify, describe, and apply anthropological theoretical paradigms and use them appropriately;
3. read and critically evaluate anthropological source materials and identify the purpose, concepts, and arguments;
4. demonstrate argumentation, analysis, and synthesis skills through writing, in a variety of contexts.

A student graduating with a B.S. degree in Sociology will be able to:

1. use the sociological perspective and core concepts to formulate sociological explanations of human behavior and social phenomena;
2. understand the role of theory in sociology, such that students will be able to: describe theoretical perspectives using key concepts and apply sociological theories to better understand social phenomena;

3. understand the process of gathering and analyzing qualitative and quantitative data in order to formulate and empirically support a sociological explanation of a social phenomenon.

**Programs**

**Majors**
- Anthropology B.A. (p. 122)
- Sociology B.S. (p. 124)

**Minors**
- Anthropology Minor (p. 123)
- Gerontology Interdisciplinary Minor (p. 123)
- Sociology Minor (p. 125)

**Anthropology 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 |
| ANTH 1102 Introduction to Anthropology | |
| ANTH 2131 World Archaeology | |
| ANTH 2231 Biological Anthropology | |
| ANTH 2331 Cultural Anthropology | |
| ANTH 2530 Anthropoligical Inquiry | |
| Foreign Language thru 2002 | |
| Students who test out of FORL 2002, may choose 3 hours from among the following Area F electives: | |
| ANTH 1150 Glob Pers Ant: People of World | |
| BIOL 1103 Concepts of Biology | |
| & 1103L and Concepts of Biology Laboratory | |
| BIOL 1230 Environmental Biology | |
| & 1230L and Environmental Biology Lab | |
| GEOG 1111 Physical Geography | |
| GEOG 1130 World Regional Geography | |
| GEOL 1121 Introduction to the Earth | |
| GEOL 1122 General Historical Geology | |
| GEOL 1340 Environmental Geology | |
| HIST 1111 World History I: Development of World Civilization | |
| KINS 2531 Human Anatomy and Physiology I | |
| & KINS 2511 and Human Anatomy and Physiology I Laboratory | |
| or KINS 2532 Human Anatomy and Physiology II | |
| & KINS 2512 and Human Anatomy and Physiology II Laboratory | |
| PHIL 2010 Introduction to Philosophy | |
| PHIL 2020 Critical Thinking | |
| POLS 2101 Introduction to Political Science | |
| 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:

| 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.

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Gerontology Interdisciplinary Minor
Prerequisite(s):

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite Requirement</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ANTH 1102</td>
<td>Introduction to Anthropology</td>
</tr>
</tbody>
</table>

Total Credit Hours

Minor Program

Minor Program Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite Requirement</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>ANTH - Courses for which prerequisites are met</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours

Contact
Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

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Prerequisite(s):

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite Requirement</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SOCI 2130</td>
<td>Introduction to Gerontology</td>
</tr>
</tbody>
</table>

Total Credit Hours

Minor Program

Minor Program Requirements

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>Credit Hours</th>
<th>Prerequisite Requirement</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>CHFD 2137</td>
<td>Lifespan Development</td>
</tr>
<tr>
<td>3</td>
<td>CHFD 3136</td>
<td>Adult Development and Later Life</td>
</tr>
<tr>
<td>3</td>
<td>CHFD 4132</td>
<td>Death and Bereavement across the Lifespan</td>
</tr>
<tr>
<td>3</td>
<td>CRJU 3535</td>
<td>Family Violence</td>
</tr>
<tr>
<td>3</td>
<td>GERO 5500</td>
<td>Survey of Gerontology</td>
</tr>
<tr>
<td>3</td>
<td>GERO 5510</td>
<td>Healthy Aging</td>
</tr>
<tr>
<td>3</td>
<td>PSYC 3103</td>
<td>Lifespan Developmental Psychology</td>
</tr>
<tr>
<td>3</td>
<td>PSYC 3339</td>
<td>Older Adult Developmental Psychology</td>
</tr>
</tbody>
</table>
Sociology 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>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Foreign Language - 2001 or</td>
</tr>
<tr>
<td></td>
<td>SOCI 2000 Global Sociology</td>
</tr>
<tr>
<td></td>
<td>or ANTH 1150 Glob Pers Ant; People of World</td>
</tr>
</tbody>
</table>

Students who test out of FORL 2001 may choose 3 hours from the Area F elective list.

- SOCI 1101 Introduction to Sociology
- SOCI 2434 Social Data Analysis
- or STAT 1401 Elementary Statistics

Select 9-12 credit hours from the following:

- ANTH 1102 Introduction to Anthropology
- ANTH 1150 Glob Pers Ant; People of World
- CISM 1110 Computer Applications
- & CISM 1120 and Computer Concepts
- GEOG 1130 World Regional Geography
- INTS 2130 Introduction to International Studies
- PHIL 2010 Introduction to Philosophy
- POLS 2101 Introduction to Political Science
- PSYC 1101 Introduction to Psychology
- RELS 2130 Introduction to Religious Studies
- SOCI 2000 Global Sociology
- SOCI 2130 Introduction to Gerontology
- SOCI 2232 Introduction to Social Services

Other Program Requirements

- A minimum grade of “C” required.
- Students completing the Social Services track are encouraged, but not required, to complete an internship under the supervision of the program's internship coordinator.

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

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Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

## Sociology Minor

### Prerequisite(s)

<table>
<thead>
<tr>
<th>Prerequisite Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 1101 Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 3

### Minor Program Requirements

<table>
<thead>
<tr>
<th>Minor Program Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI - Upper Division courses (excluding SOCI 4790)</td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

### Contact

Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

### Advisement

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### 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 reinterpreting 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. 125)
- Child and Family Development B.S. (Concentration in Child Life) (p. 126)
- Child and Family Development B.S. (Concentration in Family Services) (p. 127)
- Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 128)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Design) (p. 129)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Merchandising) (p. 130)
- Interior Design B.S. (p. 131)
- Recreation B.S. (Emphasis in Outdoor Recreation) (p. 133)
- Recreation B.S. (Emphasis in Recreational Therapy) (p. 133)
- Recreation B.S. (Emphasis in Tourism and Community Leisure Services) (p. 134)

#### Minors

- Child and Family Development Minor (p. 129)
- Fashion Merchandising and Apparel Design Minor (p. 131)
- Recreation and Tourism Management Minor (p. 132)

#### Certificates


### 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD</td>
<td>1131 Introduction to Family Science</td>
</tr>
<tr>
<td>CHFD</td>
<td>2130 Family Economic Environment</td>
</tr>
<tr>
<td>CHFD</td>
<td>2135 Child Development</td>
</tr>
<tr>
<td>CISM</td>
<td>1100 Computer Applications</td>
</tr>
<tr>
<td>CISM</td>
<td>1120 Computer Concepts</td>
</tr>
<tr>
<td>1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>PSYC</td>
<td>1101 Introduction to Psychology</td>
</tr>
<tr>
<td>SOCI</td>
<td>1101</td>
</tr>
</tbody>
</table>

#### Additional Requirements

<table>
<thead>
<tr>
<th>Area F - Course Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD</td>
<td>3131 Birth to 5 Methods</td>
</tr>
<tr>
<td>CHFD</td>
<td>3133 Diversity in Human Development</td>
</tr>
<tr>
<td>CHFD</td>
<td>3135 Youth Development</td>
</tr>
<tr>
<td>CHFD</td>
<td>3136 Adult Development and Later Life</td>
</tr>
<tr>
<td>CHFD</td>
<td>3137 Parent Education and Guidance</td>
</tr>
<tr>
<td>CHFD</td>
<td>4138 Professional Development</td>
</tr>
<tr>
<td>CHFD</td>
<td>4790 Internship in Child and Family Development</td>
</tr>
</tbody>
</table>

Undergraduate Catalog 125
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;
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- 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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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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD</td>
<td>Young Children with Special Needs</td>
</tr>
<tr>
<td>CHFD</td>
<td>Administration of Programs for Children and Youth</td>
</tr>
<tr>
<td>CHFD</td>
<td>Teaching Preschool</td>
</tr>
<tr>
<td>CHFD</td>
<td>Assessment of Children</td>
</tr>
<tr>
<td>CHFD</td>
<td>Families, Schools, and Community Partnerships (CHFD 4150)</td>
</tr>
</tbody>
</table>

Select nine credit hours from the following Guided Electives:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD</td>
<td>Selected Topics in Child and Family Development</td>
</tr>
<tr>
<td>CHFD</td>
<td>Death and Bereavement across the Lifespan</td>
</tr>
<tr>
<td>CHFD</td>
<td>Programming and Evaluation for Family Services</td>
</tr>
<tr>
<td>CHFD</td>
<td>Family Life Education</td>
</tr>
<tr>
<td>CHFD</td>
<td>Directed Individual Study</td>
</tr>
<tr>
<td>NTFS</td>
<td>Nutrition and Health</td>
</tr>
<tr>
<td>NTFS</td>
<td>Community Nutrition</td>
</tr>
<tr>
<td>NTFS</td>
<td>Cultural Foods</td>
</tr>
<tr>
<td>RECR</td>
<td>Introduction to Recreational Therapy</td>
</tr>
<tr>
<td>RECR</td>
<td>Intervention Techniques in Recreational Therapy</td>
</tr>
<tr>
<td>SOCI</td>
<td>Child Welfare and Family Services</td>
</tr>
<tr>
<td>SOCI</td>
<td>Social Welfare Policy and Services</td>
</tr>
</tbody>
</table>

Select one Foreign Language Requirement or “Significant International Content” course

Electives 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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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 fingerprinting 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.
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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;
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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.

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<tbody>
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<td>Selected Topics in Child and Family Development</td>
</tr>
<tr>
<td>CHFD</td>
<td>Death and Bereavement across the Lifespan</td>
</tr>
<tr>
<td>CHFD</td>
<td>Programming and Evaluation for Family Services</td>
</tr>
<tr>
<td>CHFD</td>
<td>Family Life Education</td>
</tr>
<tr>
<td>CHFD</td>
<td>Directed Individual Study</td>
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<tr>
<td>NTFS</td>
<td>Nutrition and Health</td>
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<td>NTFS</td>
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<tr>
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<td>Introduction to Recreational Therapy</td>
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<td>Child Welfare and Family Services</td>
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<tr>
<td>SOCI</td>
<td>Social Welfare Policy and Services</td>
</tr>
</tbody>
</table>

Select one Foreign Language Requirement or “Significant International Content” course

Electives 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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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 fingerprinting 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.
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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.

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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.
To graduate with Honors in Child and Family Development, a student must

- be in good standing in the University Honors Program at the time of graduation.

**Advisement**

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**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>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 1131</td>
<td>Introduction to Family Science</td>
</tr>
<tr>
<td>CHFD 2130</td>
<td>Family Economic Environment</td>
</tr>
<tr>
<td>CHFD 2135</td>
<td>Child Development</td>
</tr>
<tr>
<td>CHFD 2136</td>
<td>Intro to Family Services</td>
</tr>
<tr>
<td>CISM 1110</td>
<td>Computer Applications</td>
</tr>
<tr>
<td>CISM 1120</td>
<td>and Computer Concepts</td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>or SOCI 1101</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

**Major Requirements**

**Child and Family Development Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 3131</td>
<td>Birth to 5 Methods</td>
</tr>
<tr>
<td>CHFD 3133</td>
<td>Diversity in Human Development</td>
</tr>
<tr>
<td>CHFD 3135</td>
<td>Youth Development</td>
</tr>
<tr>
<td>CHFD 3136</td>
<td>Adult Development and Later Life</td>
</tr>
<tr>
<td>CHFD 3139</td>
<td>Parent Education and Guidance</td>
</tr>
<tr>
<td>CHFD 4138</td>
<td>Professional Development</td>
</tr>
<tr>
<td>CHFD 4790</td>
<td>Internship in Child and Family Development</td>
</tr>
</tbody>
</table>

**Family Services Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 3232</td>
<td>Sexuality in Human Development</td>
</tr>
<tr>
<td>CHFD 4132</td>
<td>Death and Bereavement across the Lifespan</td>
</tr>
<tr>
<td>CHFD 4133</td>
<td>Programming and Evaluation for Family Services</td>
</tr>
<tr>
<td>CHFD 4134</td>
<td>Family Life Education</td>
</tr>
<tr>
<td>CHFD 4237</td>
<td>Legal and Public Policies Affecting Families</td>
</tr>
</tbody>
</table>

Select nine credit hours from the following Guided Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 3130</td>
<td>Research Methods</td>
</tr>
<tr>
<td>CHFD 3137</td>
<td>Introduction to Child Life</td>
</tr>
<tr>
<td>CHFD 3234</td>
<td>Young Children with Special Needs</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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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;

**Foreign Language Requirement or “Significant International Content” course**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Elective** 3-6

**Total Credit Hours** 124
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.

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**Child and Family Development**

**B.S. Concentration in Birth-Kindergarten (Non-Certification Track)**

**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.

**General Requirements (Core Areas A-E)**

- 42 Credit Hours

**Area F - Courses Appropriate to Concentration**

- 18 Credit Hours

- BKIN 1200 Introduction to Early Childhood Education
- BKIN 2200 Health, Safety, and Wellness in Early Childhood
- CHFD 2135 Child Development
- 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**

- 54 Credit Hours

- CHFD 1131 Introduction to Family Science
- CHFD 2130 Family Economic Environment
- CHFD 2136 Intro to Family Services
- 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
- CHFD 3234 Young Children with Special Needs
- CHFD 3137 Introduction to Child Life
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>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>ACCT 2030 Survey of Accounting</td>
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<tr>
<td></td>
<td>COMM 1110 Public Speaking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>FMAD 1110 Fashion Fundamentals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FMAD 2130 Understanding Aesthetics</td>
</tr>
<tr>
<td></td>
<td>FMAD 2230 Social and Psychological Aspects of Clothing</td>
</tr>
<tr>
<td></td>
<td>TCGT 1530 Global Sustainability and Innovation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>FMAD 3210 Computer-Aided Design</td>
</tr>
<tr>
<td></td>
<td>FMAD 3234 Textiles</td>
</tr>
<tr>
<td></td>
<td>FMAD 3235 History of Costume</td>
</tr>
<tr>
<td></td>
<td>FMAD 3237 Apparel Analysis</td>
</tr>
<tr>
<td></td>
<td>FMAD 4630 Professional Seminar in Fashion</td>
</tr>
<tr>
<td></td>
<td>FMAD 4790 Internship in FMAD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area of Emphasis</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Select courses in one of the following areas:</td>
</tr>
</tbody>
</table>

Design Emphasis
- FMAD 1234 Apparel I
- FMAD 3236 Apparel II
- FMAD 3239 Fashion Illustration
- FMAD 4231 Apparel Design Analysis I
- FMAD 4232 Apparel Design Analysis II

Select three credit hours from the following Major Electives:
- FMAD 3232 Principles of Merchandising
- FMAD 3233 Visual Merchandising
- FMAD 3330 Global Apparel and Textile Production
- FMAD 4234 Fashion Presentation and Promotion
- FMAD 4236 Fashion Study Tour

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

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Non-Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<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>
Select one Foreign Language Requirement or “Significant International Content” course 3

<table>
<thead>
<tr>
<th>Elective</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three credit hours of Electives</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>124</td>
</tr>
</tbody>
</table>

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

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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>
</tr>
<tr>
<td>Additional Requirements</td>
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<td>Major Requirements</td>
</tr>
<tr>
<td>FMAD 3210 Computer-Aided Design</td>
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<td>FMAD 3234 Textiles</td>
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</tr>
<tr>
<td>FMAD 4790 Internship in FMAD</td>
</tr>
</tbody>
</table>

### Area of Emphasis

Select courses in one of the following areas: 18

**Design Emphasis**

- FMAD 1234 Apparel I
- FMAD 3236 Apparel II
- FMAD 3239 Fashion Illustration
- FMAD 4231 Apparel Design Analysis I
- FMAD 4232 Apparel Design Analysis II

**Elective**

Select three credit hours from the following Major Electives:

- FMAD 3232 Principles of Merchandising
- FMAD 3233 Visual Merchandising
- FMAD 3330 Global Apparel and Textile Production
- FMAD 4234 Fashion Presentation and Promotion
- FMAD 4236 Fashion Study Tour

**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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one Foreign Language Requirement or “Significant International Content” course</td>
</tr>
<tr>
<td>Elective</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Fashion Merchandising and Apparel Design Minor

Minor Program

Course Requirements: 15

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMAD 2230</td>
<td></td>
</tr>
<tr>
<td>FMAD 3234 Textiles</td>
<td></td>
</tr>
<tr>
<td>FMAD 1110 Fashion Fundamentals</td>
<td></td>
</tr>
</tbody>
</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMAD 3210 Computer-Aided Design</td>
<td></td>
</tr>
<tr>
<td>FMAD 3232 Principles of Merchandising</td>
<td></td>
</tr>
<tr>
<td>FMAD 3233 Visual Merchandising</td>
<td></td>
</tr>
<tr>
<td>FMAD 3235 History of Costume</td>
<td></td>
</tr>
<tr>
<td>FMAD 4234 Fashion Presentation and Promotion</td>
<td></td>
</tr>
<tr>
<td>FMAD 4236 Fashion Study Tour</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Program Coordinator, Fashion Merchandising and Apparel Design Advisement

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Interior Design B.S.

Degree Requirements: 124 Credit Hours

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

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
<td>42</td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>ART 1010 Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 1020 2D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ART 1030 3D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ARTH 2531 Art History I</td>
<td></td>
</tr>
<tr>
<td>INDS 2430 Design Appreciation</td>
<td></td>
</tr>
<tr>
<td>TCGT 1530 Global Sustainability and Innovation</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDS 2327 Digital Communication</td>
<td></td>
</tr>
<tr>
<td>INDS 2433 Human Centered Design &amp; Theoretical Frameworks</td>
<td></td>
</tr>
<tr>
<td>INDS 2435 Design Studio I</td>
<td></td>
</tr>
<tr>
<td>INDS 2436 Interior Materials and Systems</td>
<td></td>
</tr>
<tr>
<td>IND 3238 Textiles for Interiors</td>
<td></td>
</tr>
<tr>
<td>INDS 3327 Computer-Aided Design I</td>
<td></td>
</tr>
<tr>
<td>INDS 3431 History of Interiors</td>
<td></td>
</tr>
<tr>
<td>INDS 3434 Lighting</td>
<td></td>
</tr>
<tr>
<td>INDS 3435 Design Studio II</td>
<td></td>
</tr>
<tr>
<td>INDS 3436 Design Studio III</td>
<td></td>
</tr>
<tr>
<td>INDS 3438 Professional Practice</td>
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<tr>
<td>INDS 3530 Sustainability for the Built Environment</td>
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</tr>
<tr>
<td>INDS 4327 Computer-Aided Design II</td>
<td></td>
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<td>INDS 4427 Interior Design Portfolio</td>
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<tr>
<td>INDS 4435 Design Studio IV</td>
<td></td>
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<tr>
<td>INDS 4446 Design Studio V</td>
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</tr>
<tr>
<td>INDS 4790 Interior Design Internship</td>
<td></td>
</tr>
</tbody>
</table>

Other Requirements 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCM 3333 Building Codes</td>
<td></td>
</tr>
</tbody>
</table>

Elective 3

Select 3 credit hours of Electives

Foreign Language Requirement or “Significant International Content” course 3

Select one Foreign Language or “Significant International Content” course

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. Declared interior design as a major. If a student is a declared major in an area other than interior design, and does not want to be a double major, 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. Will have a minimum of first semester sophomore status (24 credit hours completed or more) upon starting the program.
4. Achieve a minimum institutional GPA of 2.5 or better on all course work attempted (if less than 24 credits have been completed at Georgia Southern, transfer course work and work completed at Georgia Southern University are considered).
5. Complete or be currently taking INDS 2430 with a minimum grade of “C” and two of the following required Area F ART courses with a minimum grade of “C”:
   - INDS 2430 Design Appreciation
   - Select 2 of the 3 ART courses in Area F:
     - ART 1010 Drawing I (preferred)
     - ART 1020 2D Art and Design Foundations
     - ART 1030 3D Art and Design Foundations
6. 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).
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. All
transfer credits must be evaluated by the Undergraduate Office of
Admissions and posted on the Georgia Southern transcript upon
official acceptance to the University.

Honors in Interior Design

To graduate with Honors in Interior Design, a student must:

1. be admitted to the University Honors Program;
2. successfully complete at least three credits of HONS 4610 over three
   semesters;
3. successfully complete and present an Honors Thesis or Capstone
   Project;
4. 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) or 3D Art and Design Foundations (ART
   1030) 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 website:
   https://cbss.georgiasouthern.edu/human-ecology/undergraduate/inds/
   application/.

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 may 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
  withdrawal (March)
• Students applying during the spring semester may 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 required courses within
the major including any 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

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to all degree-seeking undergraduate students by professional advisors.
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campuses. Students are required to meet with their assigned Academic
Advisor at least once a semester. For more information visit the Academic
Advisement (p. 263) catalog page.

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.

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 1530 Introduction to Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Select 12 credit hours from the following (must include 9 upper-division hours):</td>
<td></td>
</tr>
<tr>
<td>RECR 2131 Introduction to Recreational Therapy</td>
<td></td>
</tr>
<tr>
<td>RECR 2530 Leadership and Programming in Leisure</td>
<td></td>
</tr>
<tr>
<td>Services</td>
<td></td>
</tr>
<tr>
<td>RECR 3135 Program Planning in Recreational Therapy</td>
<td></td>
</tr>
<tr>
<td>RECR 3230 Adventure Education</td>
<td></td>
</tr>
<tr>
<td>RECR 3235 Outdoor Recreation Management</td>
<td></td>
</tr>
<tr>
<td>RECR 3236 Planning Recreation Areas and Facilities</td>
<td></td>
</tr>
<tr>
<td>RECR 3335 Tourism Management</td>
<td></td>
</tr>
<tr>
<td>RECR 3337 International Tourism</td>
<td></td>
</tr>
<tr>
<td>RECR 3430 Conference and Event Planning</td>
<td></td>
</tr>
<tr>
<td>RECR 3530 Attraction and Tourism Management Field School</td>
<td></td>
</tr>
<tr>
<td>RECR 4130 Assessment in Recreational Therapy</td>
<td></td>
</tr>
<tr>
<td>RECR 4135 Intervention Techniques in Recreational</td>
<td></td>
</tr>
<tr>
<td>Therapy</td>
<td></td>
</tr>
<tr>
<td>RECR 4230 Environmental Education and Interpretation</td>
<td></td>
</tr>
<tr>
<td>RECR 4430 Financial and Legal Dimensions of Recreation</td>
<td></td>
</tr>
<tr>
<td>RECR 4435 Managing Recreation Organizations</td>
<td></td>
</tr>
<tr>
<td>RECR 4530 Marketing Recreation Services</td>
<td></td>
</tr>
</tbody>
</table>
Additional Minor Requirements
Consultation with an RTM faculty member.

Advisement
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Recreation B.S. (Emphasis in Outdoor Recreation)

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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>4</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Recreation students must take RECR 1530 and RECR 2530</td>
<td>18</td>
</tr>
<tr>
<td>RECR 1530 Introduction to Recreation</td>
<td></td>
</tr>
<tr>
<td>RECR 2530 Leadership and Programming in Leisure Services</td>
<td></td>
</tr>
<tr>
<td>Select 12 credit hours from list of adviser approved Area F electives (see Other Program Requirements)</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 4430 Financial and Legal Dimensions of Recreation</td>
<td>15</td>
</tr>
<tr>
<td>RECR 4435 Managing Recreation Organizations</td>
<td></td>
</tr>
<tr>
<td>RECR 4530 Marketing Recreation Services</td>
<td></td>
</tr>
<tr>
<td>RECR 4790 Internship</td>
<td></td>
</tr>
<tr>
<td>Outdoor Recreation Emphasis</td>
<td>18</td>
</tr>
<tr>
<td>RECR 3230 Adventure Education</td>
<td></td>
</tr>
<tr>
<td>RECR 3235 Outdoor Recreation Management</td>
<td></td>
</tr>
<tr>
<td>RECR 4230 Environmental Education and Interpretation</td>
<td></td>
</tr>
<tr>
<td>RECR 4630 Professional Development in Recreation</td>
<td></td>
</tr>
<tr>
<td>Directed Upper Division Recreation Elective</td>
<td></td>
</tr>
<tr>
<td>Directed Upper Division Recreation Elective</td>
<td></td>
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</tbody>
</table>

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

| Elective | 6 |
| Select 6 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
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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>General Requirements (Core Areas A - E)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>4</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Recreation students must take RECR 1530 and RECR 2530</td>
<td>18</td>
</tr>
<tr>
<td>CHFD 2137 Lifespan Development</td>
<td></td>
</tr>
<tr>
<td>RECR 1530 Introduction to Recreation</td>
<td></td>
</tr>
<tr>
<td>RECR 2131 Introduction to Recreational Therapy</td>
<td></td>
</tr>
<tr>
<td>RECR 2530 Leadership and Programming in Leisure Services</td>
<td></td>
</tr>
<tr>
<td>Select 6 credit hours from list of adviser approved Area F electives (see Other Program Requirements)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 4430 Financial and Legal Dimensions of Recreation</td>
<td>15</td>
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<tr>
<td>RECR 4435 Managing Recreation Organizations</td>
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<tr>
<td>RECR 4530 Marketing Recreation Services</td>
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<tr>
<td>RECR 4790 Internship</td>
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</tr>
<tr>
<td>Recreational Therapy Emphasis</td>
<td>19</td>
</tr>
<tr>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<td>-------------</td>
<td>--------------------------------------------------</td>
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<tr>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
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<tr>
<td>PSYC 3101</td>
<td>Abnormal Psychology</td>
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<tr>
<td>RECR 3135</td>
<td>Program Planning in Recreational Therapy</td>
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<tr>
<td>RECR 4130</td>
<td>Assessment in Recreational Therapy</td>
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<tr>
<td>RECR 4135</td>
<td>Intervention Techniques in Recreational Therapy</td>
</tr>
<tr>
<td>RECR 4730</td>
<td>Professional Advancement in Recreational Therapy</td>
</tr>
</tbody>
</table>

**Guided Major Electives**: 15
Suggested Minors or areas of interest include:
- Anthropology
- 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

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---

**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.*

### 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></td>
<td></td>
<td>42</td>
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### Additional Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>4</td>
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</tbody>
</table>

### Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>18</td>
</tr>
</tbody>
</table>

All Recreation students must take RECR 1530 and RECR 2530

### Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

- RECR 4430 Financial and Legal Dimensions of Recreation
- RECR 4435 Managing Recreation Organizations
- RECR 4530 Marketing Recreation Services
- RECR 4790 Internship

### Tourism and Community Leisure Services Emphasis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

- RECR 3335 Tourism Management
- RECR 3338 Resort & Commercial Recreation Operations
- RECR 3430 Conference and Event Planning
- RECR 4630 Professional Development in Recreation

### Guided Major Electives

<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>
</tbody>
</table>

Suggested Minors or areas of interest include:
- Anthropology
- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Select 6 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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.

Parker College Structure

- Department of Economics (p. 136)
- Department of Enterprise Systems and Analytics (p. 139)
- Department of Finance (p. 143)
- Department of Logistics and Supply Chain Management (p. 145)
- Department of Management (p. 147)
- Department of Marketing (p. 152)
- School of Accountancy (p. 155)

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: danielle.smith@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>Title</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>
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<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>
</tbody>
</table>

Interpret the business implications of global and cultural diversity.
Use data to support informed business decisions.
Be effective communicators.

1. Solve problems using concepts across the disciplines within the Parker College.
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3. Recognize the importance of ethical business practices.
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</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Undergraduate Catalog 135
Department of Economics

Programs

Majors

- Accounting B.B.A. (p. 156)
- Economics B.A. (p. 137)
- Economics B.B.A. (p. 137)
- Economics B.B.A. (International Business Emphasis) (p. 138)
- Finance B.B.A. (p. 144)
- Information Systems B.B.A. (p. 139)
- Information Systems B.B.A. (Business Intelligence Emphasis) (p. 140)
- Management B.B.A. (p. 149)
- Management B.B.A. (Emphasis in Entrepreneurship and Innovation) (p. 149)
- Management B.B.A. (Emphasis in Hospitality Management) (p. 150)
- Marketing B.B.A. (Emphasis in Fashion Merchandising) (p. 152)
- Marketing B.B.A. (Emphasis in Retailing Management) (p. 153)
- Marketing B.B.A. (Emphasis in Sales and Sales Management) (p. 154)
- Marketing B.B.A. (Without Area of Emphasis) (p. 154)
- Supply Chain B.B.A. (Emphasis in Operations and Supply Management) (p. 146)
- Supply Chain Management B.B.A. (Emphasis in Logistics and Intermodal Transportation) (p. 147)

Minors

- Business Analytics Minor (p. 142)
- Economics Minor (p. 138)
- Enterprise Resources Planning (ERP) Systems Minor (p. 143)
- Entrepreneurship and Innovation Minor (p. 148)
- Finance Minor (p. 144)
- Information Systems Minor (p. 143)
- Management Minor (p. 152)

Certificates

- Financial Technology (FinTech) Certificate Program (p. 145)
- Fraud Examination Certificate (p. 157)
- Interdisciplinary Certificate in Hospitality and Tourism Management (p. 148)

Advisement

Undergraduate

Academic advisement for all B.B.A. business majors on the Statesboro campus is managed by the Parker College of Business Student Services Center.

Location: Room 1100 and 2219, College of Business Building
Telephone: (912) 478-0085

Academic advisement for all B.B.A. business majors on the Armstrong campus takes place in the Student Success Center building.

Location: Room 128
Telephone: (912) 344-2641

Contacts

Dean: Allen C. Amason
College of Business Room 2254
P.O. Box 8002
(912) 478-2622
E-mail address: aamason@georgiasouthern.edu

Associate Dean of Academic Affairs & Faculty Affairs: Rand Ressler
College of Business Room 2253C
P.O. Box 8002
(912) 478-5107
E-mail address: rressler@georgiasouthern.edu

Associate Dean of Student and External Relations: Britton McKay
College of Business Room 2253D
P.O. Box 8002
(912) 478-5107
E-mail address: bmckay@georgiasouthern.edu
(crandall@georgiasouthern.edu)

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. 137)
• Economics B.B.A. (p. 137)
• Economics B.B.A. (International Business Emphasis) (p. 138)

Minors

• Economics Minor (p. 138)

Economics 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>
<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>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>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Major Requirements 36

BUSA 3131 Foundations of Business Analytics I

or STAT 1401 Elementary Statistics

BUSA 3132 Foundations of Business Analytics II

or STAT 1402 Elementary Statistics II

ECON 3131 Intermediate Macroeconomics

ECON 3231 Intermediate Microeconomics

ECON 4131 Applied Econometrics

ECON XXXX Upper Division Courses (21 credit hours)

Minor 15

Select 15 credit hours of Minor courses

Electives 9

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 (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 Honors classes where appropriate.

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>
<thead>
<tr>
<th>Credit Hours</th>
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<th>42</th>
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<tbody>
<tr>
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<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>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 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)

MGNT 3130 Principles of Management

MKTG 3131 Principles of Marketing

OSCM 3430 Operations and Supply Management

Major Requirements 24

ECON 3131 Intermediate Macroeconomics

ECON 3231 Intermediate Microeconomics

ECON 4131 Applied Econometrics

Select 15 credit hours of ECON Upper Division Courses

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

1 Note: Research Seminar (BUSA 3610) and Business Seminar (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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Honors in Economics

To graduate with Honors in Economics, a student must:
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.

Honors students in the College of Parker 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

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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.

<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>ACCT 2101 Principles of Accounting I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACCT 2102 Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BUSA 1105 Introduction to Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CISM 2530 Advanced Business Applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECON 2106 Principles of Microeconomics</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific Requirements Beyond Areas A1-F</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 3131 Foundations of Business Analytics I</td>
<td></td>
</tr>
<tr>
<td>BUSA 3132 Foundations of Business Analytics II</td>
<td></td>
</tr>
<tr>
<td>BUSA 4131 Strategic Management</td>
<td></td>
</tr>
<tr>
<td>CISM 3131 Management Information Systems</td>
<td></td>
</tr>
<tr>
<td>FINC 3131 Principles of Corporate Finance</td>
<td></td>
</tr>
<tr>
<td>LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
<td></td>
</tr>
<tr>
<td>MATH 1232 Survey of Calculus (if not taken in Area A-E)</td>
<td></td>
</tr>
</tbody>
</table>

Honors in Economics

To graduate with Honors in Economics-Honors International Business Emphasis, 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

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Economics Minor

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

Course Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON</td>
<td>Principles of Macroeconomics (if not taken in Areas A - E)</td>
<td>0-3</td>
</tr>
<tr>
<td>ECON</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ECON 3131</td>
<td>Intermediate Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 3231</td>
<td>Intermediate Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON - Three upper-division economics courses</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15-18

Contact

Room 1101, College of Business Building - Statesboro Campus
Student Success Center - Armstrong Campus

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Department of Enterprise Systems and Analytics

Information Systems

The Information Systems (IS) degree program offers knowledge and skills to students who aspire to become a professional in enterprise systems or business analytics, or a combination of both.

Skills in enterprise systems, which include enterprise resource planning (ERP) systems, have long been in high demand by corporations that seek to integrate their functional systems and business processes both within the organization and with their suppliers, customers, and other business partners.

Business analytics is an important domain that focuses on the applications of predictive analytics and machine learning to help address complex issues in business.

A combination of enterprise systems and business analytics skills allows our graduates to not only manage enterprise business processes and information, but also compile and analyze data generated by the enterprise systems. Students may select one of the following two areas of emphasis.

Enterprise Systems Emphasis

The Enterprise Systems 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.

Business Analytics Emphasis

The Business Analytics emphasis offers students the opportunity to make sound, integrated business decisions in marketing and sales, production, manufacturing, logistics and human resources, among others, using predictive analytics, machine learning, and big data tools and techniques. Major companies use business analytics in their day-to-day operations and strategic planning, where company leaders can access the right data points quickly to assess key business performance indicators and help them monitor and analyze operational and financial performances, perform sales forecast, etc.

Programs

Majors

- Information Systems B.B.A. (p. 139)
- Information Systems B.B.A. (Business Intelligence Emphasis) (p. 140)

Minors

- Business Analytics Minor (p. 142)
- Enterprise Resources Planning (ERP) Systems Minor (p. 143)
- Information Systems Minor (p. 143)

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.

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major 18

<table>
<thead>
<tr>
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<td>Principles of Accounting II</td>
<td></td>
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<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td></td>
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<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>
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Specific Requirements Beyond Area A1-F 30

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<tr>
<td>BUSA 4131</td>
<td>Strategic Management</td>
<td></td>
</tr>
<tr>
<td>CISM 3131</td>
<td>Management Information Systems</td>
<td></td>
</tr>
<tr>
<td>or ACCT 4130</td>
<td>Accounting Information Systems</td>
<td></td>
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<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td></td>
</tr>
<tr>
<td>LSTD 2106</td>
<td>Legal Environment of Business (if ECON 2015 taken in Area E, then substitute into Area F)</td>
<td></td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
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<tr>
<td>MGMT 3130</td>
<td>Principles of Management</td>
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</tr>
<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
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</tr>
<tr>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
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Major Requirements 24

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<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 2030</td>
<td>Introduction to Business Programming</td>
<td></td>
</tr>
</tbody>
</table>
### 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.

| or CSCI 1236 | Introduction to Java Programming |
| or CSCI 1301 | Programming Principles I |
| CISM 3133 | Database Management |
| CISM 3134 | Enterprise Infrastructure and Security |
| CISM 3135 | Enterprise Systems Analysis and Design |
| CISM 3333 | ERP Systems Using SAP |
| CISM 4135 | General Project Management |

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.

**Total Credit Hours** 124

### 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**Information Systems B.B.A. (Business Intelligence Emphasis)**

**General Requirements (Core Areas A - E)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</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>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</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>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
</tr>
<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
</tr>
<tr>
<td>BUSA 4131</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>CISM 3131</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</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>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
</tr>
<tr>
<td>MGMT 3130</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
</tr>
</tbody>
</table>

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 4133</td>
<td>Predictive Analytics</td>
</tr>
<tr>
<td>CISM 2030</td>
<td>Introduction to Business Programming</td>
</tr>
<tr>
<td>CISM 3133</td>
<td>Database Management</td>
</tr>
<tr>
<td>CISM 3333</td>
<td>ERP Systems Using SAP</td>
</tr>
</tbody>
</table>

**Business Analytics Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 4134</td>
<td>Advanced Business Analytics</td>
</tr>
<tr>
<td>CISM 4137</td>
<td>Project Management for Analytics</td>
</tr>
<tr>
<td>CISM 4437</td>
<td>Machine Learning for Business</td>
</tr>
<tr>
<td>CISM 4530</td>
<td>Big Data Tools and Techniques</td>
</tr>
</tbody>
</table>

**Electives**

Select 6 credit hours of BUSA or CISM electives (should be chosen in consultations with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Areas A-E, in which case students will take up to 9 credit hours of electives.

**Total Credit Hours** 124

### 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, Predictive Analytics, and/or Machine Learning for Business.
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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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 2 |  |
| ECON 2106 Principles of Microeconomics |  |

Specific Requirements Beyond Area A1-F 30

| BUSA 3131 Foundations of Business Analytics I |  |
| BUSA 3132 Foundations of Business Analytics II |  |
| BUSA 4131 Strategic Management |  |
| CISM 3131 Management Information Systems |  |
| or ACCT 4130 Accounting Information Systems |  |
| FINC 3131 Principles of Corporate Finance |  |
| LSTD 2106 Legal Environment of Business 3 |  |
| MATH 1232 Survey of Calculus 4 |  |
| MGMT 3130 Principles of Management |  |
| MKTG 3131 Principles of Marketing |  |
| OSCM 3430 Operations and Supply Management |  |
| Major Requirements | 12 |
| BUSA 4133 Predictive Analytics |  |
| CISM 2030 Introduction to Business Programming |  |
| CISM 3133 Database Management |  |
| CISM 3333 ERP Systems Using SAP |  |
| CISM 3134 Enterprise Infrastructure and Security |  |
| Enterprise Systems Emphasis Area | 15 |
| CISM 3135 Enterprise Systems Analysis and Design |  |
| CISM 4135 General Project Management |  |
| CISM 4434 Enterprise System Configuration |  |

Select one of the following:

| CISM 4138 Agile Project Management |  |
| CISM 4237 Business Intelligence |  |
| CISM 4239 Advanced Business Analytics with SAP HANA |  |
| CISM 4335 Advanced Business Applications Programming (ABAP) for the SAP/ERP System |  |

Electives 3-6

Select 3 credit hours of BUSA or CISM electives (should be chosen in consultations with the student's advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Areas A-E, in which case students will take up to 6 credit hours of electives.

Total Credit Hours 124

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.

2 If taken in Area E, substitute LSTD 2106.

3 If ECON 2105 taken in Area E, then substitute into Area F.

4 If not taken in Area A-E.

Advisement

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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.

| Credit Hours | General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| CISM 3135 Enterprise Systems Analysis and Design |  |
| CISM 4135 General Project Management |  |
| CISM 4434 Enterprise System Configuration |  |
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 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

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Business Analytics Minor

Minor Program

<table>
<thead>
<tr>
<th>Required Course(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 4133 Predictive Analytics</td>
<td>12</td>
</tr>
<tr>
<td>BUSA 4134 Advanced Business Analytics</td>
<td></td>
</tr>
<tr>
<td>CISM 3333 ERP Systems Using SAP</td>
<td></td>
</tr>
<tr>
<td>CISM 4437 Machine Learning for Business</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective(s)</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 3133 Database Management</td>
<td></td>
</tr>
<tr>
<td>CISM 4137 Project Management for Analytics</td>
<td></td>
</tr>
<tr>
<td>CISM 4530 Big Data Tools and Techniques</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
Enterprise Resources Planning (ERP) Systems Minor

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):

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3131</td>
<td>3</td>
<td>Intermediate Accounting I (prerequisite for ACCT 4130 - Accounting Information Systems)</td>
</tr>
<tr>
<td>ACCT 2101</td>
<td>3</td>
<td>Principles of Accounting I (prerequisite for ACCT 2102 - Managerial Accounting)</td>
</tr>
</tbody>
</table>

Total Credit Hours 6

Minor Program

Course Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>3</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>or ACCT 2102</td>
<td>3</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>ACCT 4130</td>
<td>3</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>or CISM 3131</td>
<td>3</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>CISM 3333</td>
<td>3</td>
<td>ERP Systems Using SAP</td>
</tr>
<tr>
<td>CISM 4335</td>
<td>3</td>
<td>Advanced Business Applications Programming (ABAP) for the SAP/ERP System</td>
</tr>
<tr>
<td>CISM 4237</td>
<td>3</td>
<td>Business Intelligence</td>
</tr>
<tr>
<td>CISM 4336</td>
<td>3</td>
<td>ERP and Enterprise Performance</td>
</tr>
<tr>
<td>CISM 4434</td>
<td>3</td>
<td>Enterprise System Configuration</td>
</tr>
<tr>
<td>CISM 4435</td>
<td>3</td>
<td>ERP Web Portal Customization and Collaboration using SAP NetWeaver</td>
</tr>
<tr>
<td>CISM 4436</td>
<td>3</td>
<td>SAP TERP10 Review</td>
</tr>
<tr>
<td>CISM 4790</td>
<td>3</td>
<td>Internship in Information Systems</td>
</tr>
<tr>
<td>OSCM 4436</td>
<td>3</td>
<td>Supply Chain Analytics</td>
</tr>
</tbody>
</table>

Select two of the following:

Total Credit Hours 15

Contact

Dr. Yoris Au, Chair
Department of Enterprise Systems and Analytics
College of Business Building, Room 2202
(912) 478-4747

Advisement

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Information Systems Minor

Minor Program

Course Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>3</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>or ACCT 2102</td>
<td>3</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 4130</td>
<td>3</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>or CISM 3131</td>
<td>3</td>
<td>Management Information Systems</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 15

Contact

Dr. Yoris Au, Chair
Department of Enterprise Systems and Analytics
College of Business Building, Room 2202
(912) 478-4747

Advisement

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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. 144)

Minors

- Finance Minor (p. 144)

Certificates

- Financial Technology (FinTech) Certificate Program (p. 145)
## 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>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>Additional Requirements</td>
</tr>
<tr>
<td>4</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>18</td>
<td>Specific Requirements Beyond Areas A1-F</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>FINC 3231 Investments</td>
</tr>
<tr>
<td></td>
<td>FINC 3132 Intermediate Financial Management</td>
</tr>
<tr>
<td></td>
<td>FINC 3531 Principles of Risk and Insurance</td>
</tr>
</tbody>
</table>

Select four of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FINC 4631 Eagles on Wall Street</td>
</tr>
<tr>
<td></td>
<td>FINC 4790 Internship in Finance</td>
</tr>
<tr>
<td></td>
<td>FINC 4830 Special Problems in Finance</td>
</tr>
<tr>
<td></td>
<td>FTA 4001 Foundations of FinTech</td>
</tr>
<tr>
<td></td>
<td>FTA 4002 Financial Technologies</td>
</tr>
<tr>
<td></td>
<td>FTA 4003 Commercial Banking in FinTech</td>
</tr>
<tr>
<td></td>
<td>FTA 4005 Introduction to Financial Data Analytics</td>
</tr>
<tr>
<td></td>
<td>FTA 4100 Introduction to Information Security for FinTech</td>
</tr>
</tbody>
</table>

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.

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.

A maximum of 3 credit hours of FinTech Academy (FTA) courses may count toward major elective credits.

Total Credit Hours 124

### Honors in Finance

To graduate with Honors in Finance, 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: 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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### Finance Minor

#### Minor Program

The Finance minor is open to students who want a basic understanding of finance to complement their major field of study.
Application of data mining techniques within a business context.

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:

- 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)
- FINC 3130: Financial Tools and Methods (Prerequisite(s): C in FINC 3131)
- FINC 4536: Financial Certifications (Prerequisite(s): C in FINC 3131 and approval of instructor)

No prerequisites are required for the following courses:

FTA 4001
FTA 4002
FTA 4003
FTA 4005
FTA 4100

Contact

Dr. Joseph Ruhland, Chair
Department of Finance
College of Business Building, Room 3310
(912) 478-5216

Advisement

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supply chain scenarios. Courses seek 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 encouraged to pursue internships as part of their studies.

Programs

Majors

- Supply Chain B.B.A. (Emphasis in Operations and Supply Management) (p. 146)
- Supply Chain Management B.B.A. (Emphasis in Logistics and Intermodal Transportation) (p. 147)

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 | |
| CISM 4335 Advanced Business Applications Programming (ABAP) for the SAP/ERP System | |
| CISM 4336 ERP and Enterprise Performance | |
| CISM 4434 Enterprise System Configuration | |
| CISM 4435 ERP Web Portal Customization and Collaboration using SAP NetWeaver | |
| CISM 4436 SAP TERP10 Review | |
| LOGT 4030 Special Topics in Logistics | |
| LOGT 4231 Logistics and Intermodal Transportation Operations | |
| LOGT 4232 International Supply Chain Systems | |
| LOGT 4233 Logistics Executive in Residence | |
| LOGT 4234 Analytical Tools in Logistics | |
| LOGT 4263 Logistics and Intermodal Transportation Capstone | |
| LOGT 4790 Internship in Logistics | |
| LOGT 4830 Special Problems in Logistics | |

Total Credit Hours 124

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 (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), 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: BUS A 3610 and BUS A 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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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.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
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<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ACCT 2101 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 1105 Introduction to Business</td>
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<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>
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<tr>
<td>ECON 2106 Principles of Microeconomics</td>
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<table>
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<tr>
<th>Specific Requirements Beyond Area A1-F</th>
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<tr>
<td>ACCT 4130 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>or CISM 3131 Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3131 Foundations of Business Analytics I</td>
<td>3</td>
</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>FINC 3131 Principles of Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 2106 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 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>
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</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td>LOGT 2232 Introduction to Supply Chain Management</td>
<td>3</td>
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<tr>
<td>LOGT 3232 Logistics and Supply Chain Strategy</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4231 Logistics and Intermodal Transportation Operations</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4232 International Supply Chain Systems</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4263 Logistics and Intermodal Transportation Capstone</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3133 Professional Selling</td>
<td>3</td>
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Select two of the following: 6

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>LOGT 4790 Internship in Logistics</td>
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<tr>
<td>LOGT 4233 Logistics Executive in Residence</td>
<td>3</td>
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<tr>
<td>LOGT 4234 Analytical Tools in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4030 Special Topics in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4830 Special Problems in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4890 Directed Study in Logistics and Intermodal Transportation</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 3437 Service Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4431 Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4435 Six Sigma and Continuous Improvement</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4436 Supply Chain Analytics</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4438 Negotiation</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 4133 Predictive Analytics</td>
<td>3</td>
</tr>
<tr>
<td>CISM 3333 ERP Systems Using SAP</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4434 Enterprise System Configuration</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4436 SAP TERP10 Review</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4334 Transportation Economics</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3134 Business Marketing</td>
<td>3</td>
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<tr>
<td>MKTG 4131 Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4136 International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4137 Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4232 Advanced Selling</td>
<td>3</td>
</tr>
</tbody>
</table>

Elettes
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

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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
Entrepreneurship and Innovation Minor

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. 149)
• Management B.B.A. (Emphasis in Entrepreneurship and Innovation) (p. 149)
• Management B.B.A. (Emphasis in Hospitality Management) (p. 150)
• Management B.B.A. (Emphasis in Human Resource Management) (p. 151)

Minors

• Entrepreneurship and Innovation Minor (p. 148)
• Management Minor (p. 152)

Certificates

• Interdisciplinary Certificate in Hospitality and Tourism Management (p. 148)

Entrepreneurship and Innovation Minor

Minor Program

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGNT 3234</td>
<td>Fundamentals of Entrepreneurship</td>
</tr>
<tr>
<td>MGNT 4234</td>
<td>Intermediate Entrepreneurship</td>
</tr>
<tr>
<td>MGNT 4235</td>
<td>New Venture Finance</td>
</tr>
<tr>
<td>MGNT 4236</td>
<td>Entrepreneurship and Innovation Capstone</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3131</td>
<td>Intermediate Accounting I</td>
</tr>
<tr>
<td>CISM 4135</td>
<td>General Project Management</td>
</tr>
<tr>
<td>ECON 4333</td>
<td>Managerial Economics</td>
</tr>
<tr>
<td>ECON 4431</td>
<td>Economic Development</td>
</tr>
<tr>
<td>FINC 3132</td>
<td>Intermediate Financial Management</td>
</tr>
<tr>
<td>HNRM 3331</td>
<td>Hospitality Industry Management I</td>
</tr>
<tr>
<td>MGNT 3235</td>
<td>Leadership in Organizations</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Contact

Dr. Steve Charlier, Chair
Department of Management
College of Business Building
Room 3355
(912) 478-5985

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Interdisciplinary Certificate in Hospitality and Tourism Management

Certificate Program: 18 Credit Hours

Students can earn the Interdisciplinary Certificate in Hospitality and Tourism Management by completing the specific approved courses in the list below. Eighteen credit hours of study will be necessary to complete the certificate, with a “B” or better in each course. Students will also be required to obtain at least one industry certification (e.g., ServSafe, TIPS, Cvent) while in the program.

Required Courses (9 credit hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNRM 3331</td>
<td>Hospitality Industry Management I</td>
</tr>
<tr>
<td>RECR 3335</td>
<td>Tourism Management</td>
</tr>
</tbody>
</table>

Practical experience/internship (HNRM 4730, RECR 4790, or RECR 4830) for 3 credits

Elective Courses (9 credit hours; must take three of the following courses, of which one must be from HNRM and one from RECR):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNRM 3336</td>
<td>Hotel Operations</td>
</tr>
<tr>
<td>HNRM 3337</td>
<td>Promoting the Hospitality Industry</td>
</tr>
<tr>
<td>HNRM 3338</td>
<td>Hospitality Industry Management II</td>
</tr>
<tr>
<td>HNRM 4334</td>
<td>Food and Beverage Operations</td>
</tr>
<tr>
<td>HNRM 4335</td>
<td>Restaurant Management</td>
</tr>
<tr>
<td>HNRM 4336</td>
<td>Hospitality Issues and Perspectives</td>
</tr>
<tr>
<td>RECR 2530</td>
<td>Leadership and Programming in Leisure Services</td>
</tr>
<tr>
<td>RECR 3336</td>
<td>Heritage Tourism</td>
</tr>
<tr>
<td>RECR 3337</td>
<td>International Tourism</td>
</tr>
<tr>
<td>RECR 3338</td>
<td>Resort &amp; Commercial Recreation Operations</td>
</tr>
<tr>
<td>RECR 3430</td>
<td>Conference and Event Planning</td>
</tr>
<tr>
<td>RECR 4830</td>
<td>Selected Topics in Recreation</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18
Note: If RECR 4830 is used to fulfill the “practical experience” requirement under the Required Courses section, the course cannot also be used as an Elective Course for the purposes of this certificate.

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Management 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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<td>ACCT 2101 Principles of Accounting I</td>
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<tr>
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<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>LSTD 2106 Legal Environment of Business</td>
</tr>
<tr>
<td>Specific Requirements Beyond Area A1-F</td>
</tr>
<tr>
<td>BUSA 3131 Foundations of Business Analytics I</td>
</tr>
<tr>
<td>BUSA 3132 Foundations of Business Analytics II</td>
</tr>
<tr>
<td>BUSA 4131 Strategic Management</td>
</tr>
<tr>
<td>CISM 3131 Management Information Systems</td>
</tr>
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</tr>
<tr>
<td>LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
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<tr>
<td>MATH 1232 Survey of Calculus (if not taken in Area A-E)</td>
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<tr>
<td>MGTN 3130 Principles of Management</td>
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<tr>
<td>MKTG 3131 Principles of Marketing</td>
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<tr>
<td>OSCM 3430 Operations and Supply Management</td>
</tr>
<tr>
<td>Major Requirements</td>
</tr>
<tr>
<td>MGTN 3134 Behavior in Organizations</td>
</tr>
<tr>
<td>MGTN 3234 Fundamentals of Entrepreneurship</td>
</tr>
<tr>
<td>MGTN 3235 Leadership in Organizations</td>
</tr>
<tr>
<td>MGTN 3334 Human Resource Management</td>
</tr>
<tr>
<td>MGTN 4230 International Management</td>
</tr>
<tr>
<td>MGTN XXXX Upper Division MGTN elective courses</td>
</tr>
<tr>
<td>non-MGTN elective courses in COBA may be substituted upon approval by Chair of Department of Management</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

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
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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.

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<td>FINC 3131 Principles of Corporate Finance</td>
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<td>LSTD 2106</td>
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<tr>
<td>MATH 1232</td>
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<td>MGMT 3130</td>
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<tr>
<td>OSCM 3430</td>
</tr>
<tr>
<td>MKTG 3131</td>
</tr>
</tbody>
</table>

**Major Requirements**

- MGMT 3134 Behavior in Organizations
- MGMT 3234 Fundamentals of Entrepreneurship
- MGMT 3334 Human Resource Management
- MGMT 4230 International Management
- MGMT 4234 Intermediate Entrepreneurship
- MGMT 4235 New Venture Finance
- MGMT 4236 Entrepreneurship and Innovation Capstone

Choose one from among the following:

- ACCT 3131 Intermediate Accounting I
- CISM 4135 General Project Management
- ECON 4333 Managerial Economics
- ECON 4431 Economic Development
- HNRM 3331 Hospitality Industry Management I
- MGMT 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.

**Honors in Management**

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**Management B.B.A. (Emphasis in Hospitality Management)**

**Degree Requirements: 124 Credit Hours**

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<tr>
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<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>ECON 2106 Principles of Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

**Health and Physical Education Activities**

- HLTH 1520 Healthful Living
- Physical Education Activities

**Orientation**

- FYE 1220 First-Year Seminar

**Specific Requirements Beyond Area 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)

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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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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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>BUSA 3132</th>
<th>Foundations of Business Analytics II</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BUSA 4131</td>
<td>Strategic Management</td>
</tr>
<tr>
<td></td>
<td>CISM 3131</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td></td>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
</tr>
<tr>
<td></td>
<td>LSTD 2106</td>
<td>Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
</tr>
<tr>
<td></td>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
</tr>
<tr>
<td></td>
<td>MGMT 3130</td>
<td>Principles of Management</td>
</tr>
<tr>
<td></td>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td></td>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
</tr>
</tbody>
</table>

Major Requirements

MGMT 3134  Behavior in Organizations  3
MGMT 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

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 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).

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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Management Minor

Minor Program

Course Requirements:  Credit Hours 6
ACCT  2030  Survey of Accounting  
MGNT  3130  Principles of Management  
MGNT - Upper Division Electives 9  
Total Credit Hours 15

1 May be satisfied by ACCT  2101 Principles of Accounting I (3) and ACCT  2102 Principles of Accounting II (3)

Contact
Dr. Steven Charlier, Chair  
Department of Management  
College of Business Building, Room 3355  
(912) 478-5985

Advisement

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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. 152)
- Marketing B.B.A. (Emphasis in Retailing Management) (p. 153)
- Marketing B.B.A. (Emphasis in Sales and Sales Management) (p. 154)
- Marketing B.B.A. (Without Area of Emphasis) (p. 154)

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) 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)  
MGNT  3130 Principles of Management  
OSCM  3430 Operations and Supply Management  
MKTG  3131 Principles of Marketing  

Major Requirements 24
FMAD  1110 Fashion Fundamentals  
FMAD  3232 Principles of Merchandising  
MKTG  3135 Principles of Retailing  
MKTG  4131 Marketing Research  
MKTG  4132 Retail Store Management  
MKTG  4136 International Marketing  
MKTG  4137 Marketing Management  
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
Suggested are the following:
  - FMAD 3234 Textiles
  - FMAD 4234 Fashion Presentation and Promotion
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 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
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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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>BUSA 4131</th>
<th>Strategic Management</th>
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<td>CISM 3131</td>
<td>Management Information Systems</td>
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<td>MKTG 3131</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td></td>
<td>OMSC 3430</td>
<td>Operations and Supply Management</td>
</tr>
</tbody>
</table>

Major Requirements: 24

| BUSA 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 |

Electives: 6-12

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).

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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 A 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>
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</table>

**Area F - Courses Appropriate to Major | 18**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
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</tbody>
</table>

**Specific Requirements | 24-30**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
</tr>
<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
</tr>
<tr>
<td>BUSA 4131</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>CISM 3131</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</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>
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<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
</tr>
<tr>
<td>MGMT 3130</td>
<td>Principles of Management</td>
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<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
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<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
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**Major Requirements | 24**

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MKTG 3133</td>
<td>Professional Selling</td>
</tr>
<tr>
<td>MKTG 4131</td>
<td>Marketing Research</td>
</tr>
<tr>
<td>MKTG 4133</td>
<td>Sales Management</td>
</tr>
<tr>
<td>MKTG 4136</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MKTG 4137</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>MKTG 4232</td>
<td>Advanced Selling</td>
</tr>
<tr>
<td>MKTG XXXX</td>
<td>Upper Division Elective Approved by an Advisor</td>
</tr>
</tbody>
</table>

**Electives | 6-12**

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 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
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- be in good standing in the University Honors Program at the time of graduation.

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Marketing B.B.A. (Without Area of Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A through Area E.

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

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<th>Course Code</th>
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<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
</tr>
<tr>
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</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
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**Specific Requirements Beyond Area A1-F | 24-30**

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
</tr>
</tbody>
</table>

¹ Major Requirements - Students interested in the Real Estate Industry may take from the list below in place of one of the MKTG elective.
- MGMT 3234 Entrepreneurship
- MGMT 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
Advisement
Advisor at least once a semester. For more information visit the Academic Advisors are located on all three Georgia Southern University to all degree-seeking undergraduate students by professional advisors. Undergraduate Academic Advisement at Georgia Southern is provided

<table>
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<tr>
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<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
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<tr>
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**Major Requirements**

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<th>Course Code</th>
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<tbody>
<tr>
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<td>MKTG 4137</td>
<td>Marketing Management</td>
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<tr>
<td>MKTG XXXX</td>
<td>Upper Division Electives Approved by an Advisor</td>
</tr>
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</tbody>
</table>

Two Upper-Division Marketing and/or Logistics and Intermodal Transportation Electives Approved by an Advisor

**Electives** 6-12

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 (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 the following honors courses: 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 (GISM 2530).

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**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 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. Accounting professionals increasingly use Data Analytics to identify patterns in data leading to opportunities for improvement. Advances in Artificial Intelligence Machine Learning and Robotics have all been applied to improve the quality of accounting services and support efficiencies. Capable accounting professionals are needed to use these technologies to support their clients and employers. Technology is driving changes in the way business is done, which means new more 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 a 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 Data Analytics and information systems are 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). To become certified in the State of Georgia, candidates must have 150 credit hours of post-secondary 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 master’s 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. We offer a course specifically designed to help prepare for a pass the exam. 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 and Certificates.
WebMAcc
We also offer a highly rated online Masters of Accounting called the WebMAcc as an alternative to the MAcc. 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. 156)

Minors
No results were found.

Certificates
  • Fraud Examination Certificate (p. 157)

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>
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<td>Area F - Courses Appropriate to Major</td>
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<td>ACCT 2101 Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 2102 Principles of Accounting II</td>
</tr>
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<td>CISM 2530 Advanced Business Applications</td>
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<td>ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
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<td>ECON 2106 Principles of Microeconomics</td>
</tr>
<tr>
<td>Specific Requirements Beyond Area F</td>
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<tr>
<td>ACCT 4130 Accounting Information Systems</td>
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<tr>
<td>MKTG 3131 Principles of Marketing</td>
</tr>
<tr>
<td>OSCM 3430 Operations and Supply Management</td>
</tr>
<tr>
<td>Major Requirements</td>
</tr>
<tr>
<td>ACCT 3131 Intermediate Accounting I</td>
</tr>
<tr>
<td>ACCT 3132 Intermediate Accounting II</td>
</tr>
<tr>
<td>ACCT 3231 Managerial Accounting II</td>
</tr>
<tr>
<td>ACCT 3330 Income Tax</td>
</tr>
<tr>
<td>ACCT 4133 Intermediate Accounting III</td>
</tr>
<tr>
<td>ACCT 4430 Auditing</td>
</tr>
<tr>
<td>ACCT XXXX Any two approved 4000 level Electives</td>
</tr>
<tr>
<td>Electives</td>
</tr>
</tbody>
</table>

| 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 |
| Total Credit Hours | 124-130 |

Honors in Accounting
To graduate with Honors in Accounting, a student must:
  1. be admitted to the University Honors Program;
  2. successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1
  3. successfully complete and present an Honors Thesis or Capstone Project;
  4. 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.

Accelerated Bachelors to Masters Program (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 MACC-ABM program combines 124 hours from the BBA Accounting program and 30 hours from the MACC 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, MACC-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

Provisional Admission
The MACC-ABM program is designed for students who have achieved a high level of undergraduate performance in business and accounting coursework which validates their ability to be successful graduate students. Provisional Admission will not be allowed.

Regular Admission
For regular admission into the Accelerated Bachelors in Accounting to Masters of Accountancy degree program the applicant must:
  1. Be enrolled as a current Georgia Southern undergraduate student majoring in Accounting.
  2. Have earned at least 75 credit hours, including ACCT 3131.
  3. Have an earned GPA of 3.0/4.0 or better in all undergraduate coursework.
4. Have an earned GPA of 3.0/4.0 or better in accounting undergraduate coursework.

**Program of Study**

Students admitted into the ABM program will register for the graduate section of either Taxation of Corporations and Partnerships (ACCT5330G) or Governmental and Institutional Accounting (5530G) instead of an undergraduate elective. ACCT 5330G will count in the place of ACCT 7330, Taxation of Corporations and Partnerships, or ACCT 5530G will count as a graduate elective, reducing the number of graduate hours needed for graduation from 30 to 27.

**School of Accountancy (SOA) Progression Requirements**

1. Accounting majors must earn a minimum grade of “C” in all required accounting courses in order to continue in the accounting program.
2. Students will not be allowed to retake an accounting course more than twice.
3. Students who are dismissed from the accounting program may submit a written appeal to the Director.
4. Dismissal from the accounting program does not affect the ability of the student to switch to another major.
5. As stated in the University's Mission “Faculty, staff and students embrace the values of integrity, civility, kindness, respect, sustainability, citizenship, and social responsibility in every facet of the University.” In addition, students are expected to adhere to the University Honor Code. Failing to uphold the University's values or violating the Honor Code may result in a student's dismissal from the program.

**Advisement**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**Fraud Examination Certificate**

**Certificate 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.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 4631</td>
<td>Fraud Examination</td>
</tr>
<tr>
<td>ACCT 4632</td>
<td>Fraud Schemes Fraud Schemes</td>
</tr>
<tr>
<td>ACCT/LSTD 4633</td>
<td>Forensic Interviews and Interrogation</td>
</tr>
<tr>
<td>LSTD 3630</td>
<td>White Collar Crime</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 12

**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.

**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

**Advisement**

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**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. 158)
- Department of Elementary and Special Education (p. 159)
- Department of Leadership, Technology and Human Development (p. 165)
- Department of Middle Grades and Secondary Education (p. 165)

**Programs**

**Majors**

- Child and Family Development B.S. Concentration in Birth Through Kindergarten (Certification Track) (p. 159)
• Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 160)
• Elementary Education B.S.Ed. (Certification Track) (p. 161)
• Elementary Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 162)
• Health and Physical Education B.S.Ed. (Certification Track) (p. 167)
• Health and Physical Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 168)
• Middle Grades Education B.S.Ed. (Certification Track) (p. 168)
• Middle Grades Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 170)
• Secondary Education B.S.Ed. (Emphasis in Biology Education - Certification Track) (p. 171)
• Secondary Education B.S.Ed. (Emphasis in Chemistry Education - Certification Track) (p. 172)
• Secondary Education B.S.Ed. (Emphasis in English Education - Certification Track) (p. 173)
• Secondary Education B.S.Ed. (Emphasis in History Education - Certification Track) (p. 174)
• Secondary Education B.S.Ed. (Emphasis in Mathematics Education - Certification Track) (p. 175)
• Secondary Education B.S.Ed. (Emphasis Physics - Certification Track) (p. 176)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track) (p. 177)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Chemistry - Non-Certification Track) (p. 178)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - Non-Certification Track) (p. 179)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - Non-Certification Track) (p. 180)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics-Non-Certification Track) (p. 181)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Physics - Non-Certification Track) (p. 182)
• Special Education B.S.Ed. (Certification Track) (p. 163)
• Special Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 164)

Minors
• Instructional Design and Technology Minor (p. 165)

Endorsement
• English for Speakers of Other Languages (ESOL) Education Undergraduate Endorsement (p. 166)
• Gifted In-field Undergraduate Endorsement (Online) (p. 166)
• Urban Education Undergraduate Endorsement (p. 159)

Advising
Education majors are assigned to a professional advisor for program planning and course scheduling. Advisors are located on the Statesboro Campus in the COE Advisement Center in the College of Education Building Room 1107, in the Student Success Center on the Armstrong Campus, and on the Liberty Campus. 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 Monica Brister on the Statesboro Campus at (912) 478-0698 or mbrister@georgiasouthern.edu, Stephen Smith on the Armstrong Campus at (912) 344-2570 or advisearmstrong@georgiasouthern.edu, or Rolinda Cary on the Liberty campus at 912-877-1908 or rcary@georgiasouthern.edu.

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Savannah, Georgia 31419
(912) 344-2797
FAX: (912) 478-5093
aheaston@georgiasouthern.edu (tkoballa@georgiasouthern.edu)

Associate Dean for Graduate Education and Research:
Dr. Tracy Linderholm
1100 College of Education Building
P. O. Box 8013
Statesboro, GA 30460
(912) 478-5648
FAX: (912) 478-5093
tlinderholm@georgiasouthern.edu

Assistant Dean for Curriculum, Instruction and Initial Educator Preparation:
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11935 Abercorn Street
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(912) 344-2797
FAX: (912) 478-1068
debthom@georgiasouthern.edu

Assistant Dean for Partnerships and Outreach:
Dr. Alisa Leckie
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Savannah, GA 31419
(912) 344-2797
aleckie@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, the urban education endorsement and graduate certificates in applied research and evaluation and in curriculum and pedagogy for social justice.

Programs
The department provides the urban education undergraduate endorsement and 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
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, a Teaching and Learning Education Specialist (Ed.S) degree with concentrations 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. 159)
- Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 160)
- Elementary Education B.S.Ed. (Certification Track) (p. 161)
- Elementary Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 162)
- Special Education B.S.Ed. (Certification Track) (p. 163)
- Special Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 164)

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.

**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
- 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
- Must meet requirements for admission to Student Teaching/Internship II
- Must successfully complete assessments identified at each program transition point
- Students must earn a "B" or higher in Young Children with Special Needs (CHFD 3234)

**Advisement**

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**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.

**General Requirements (Core Areas A-E)**

- **Credit Hours:** 42

**Additional Requirements**

- **Credit Hours:** 4

**Area F Courses Appropriate to Concentration**

- **Credit Hours:** 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
- **EDUC 2130** Exploring Learning and Teaching

**Other Courses for the Major**

- **BKin 1200** Introduction to Early Childhood Education
- **BKin 2200** Health, Safety, and Wellness in Early Childhood
- **ChFd 2135** Child Development

**Major Requirements**

- **Credit Hours:** 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
- **BKin 3340** Art, Music & Motor Development in BK Programs
- **BKin 3710** Guiding Children’s Behavior and Practicum
- **BKin 3720** Infant & Toddler Methods and Practicum
- **BKin 3730** Preschool & Pre-Kindergarten Methods and Practicum
- **BKin 4160** Organization and Administration of Early Childhood Programs
- **BKin 4250** Assessment of Children in Early Childhood Programs
- **BKin 4710** Preplanning
- **BKin 4798** Year-Long Clinical Pt. 1 and seminar
- **BKin 4799** Year-Long Clinical Pt. 2 and seminar
- **ChFd 3234** Young Children with Special Needs
- **ChFd 4150** Families, Schools, and Community Partnerships
- **Read 3231** Early Language and Literacy Development
- **Sped 5030** Infants, Toddlers with Disabilities Methods
- **Sped 5031** PreK and Kindergarteners with Disabilities Methods

**Total Credit Hours**

- **124**
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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.

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

Additional Requirements

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<tbody>
<tr>
<td>ISCI 2001</td>
<td>Life/Earth Science</td>
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<td>ISCI 2002</td>
<td>Physical Science</td>
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MATH 2008 Foundations of Numbers and Operations

Professional Education

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<tbody>
<tr>
<td>ELEM 3732</td>
<td>Elementary Pre-Internship</td>
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<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 4799</td>
<td>Elementary Internship II</td>
</tr>
<tr>
<td>ESED 4700</td>
<td>Beginning of P-12 School Year Experience</td>
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</table>

Major Requirements

<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>
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<td>ELEM 4433</td>
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<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>
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<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>
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Study Emphasis

Select one of the following study emphasis areas:

Elementary Education (P-5 Certification)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EDUF 3131</td>
<td>Assessment for Differentiated Instruction</td>
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<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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Elementary and Special Education (P-5 Dual Certification)

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<tr>
<th>Course</th>
<th>Title</th>
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<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-5 Settings</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
</tbody>
</table>

Advisement

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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.

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

Professional Education

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<td>ELEM 3732</td>
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Major Requirements

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</tr>
<tr>
<td>ELEM 3232</td>
<td>Elementary Arts and Literature Across the Curriculum</td>
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<tr>
<td>ELEM 3233</td>
<td>Elementary Language Arts Methods</td>
</tr>
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<td>ELEM 4333</td>
<td>Elementary Mathematics Methods</td>
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<td>ELEM 4433</td>
<td>Elementary Science Methods</td>
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<td>ELEM 4533</td>
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<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
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</tbody>
</table>

Study Emphasis

Select one of the following study emphasis areas:

Elementary Education (P-5 Certification)

<table>
<thead>
<tr>
<th>Course</th>
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<td>Assessment for Differentiated Instruction</td>
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<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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</table>

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-5 Settings</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
</tbody>
</table>

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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

Professional Education

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<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 4799</td>
<td>Elementary Internship II</td>
</tr>
<tr>
<td>ESED 4700</td>
<td>Beginning of P-12 School Year Experience</td>
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</table>

Major Requirements

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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</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 areas:

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>
</tr>
</tbody>
</table>

Elementary and Special Education (P-5 Dual Certification)

<table>
<thead>
<tr>
<th>Course</th>
<th>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 3133</td>
<td>Methodologies of Inclusive P-5 Settings</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
</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 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 earn a minimum grade of "B" or higher in Introduction to Special Education for Elementary Education (SPED 3331) or Characteristics of Learners with Disabilities (SPED 3130).
- 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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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
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 21
EDUF 3040 Childhood Development from Prenatal Period to Adolescence
EDUF 3232 Educational Psychology: General
EDUF 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 3-9
See Option 1, 2, and 3 below to determine credit hours of guided electives needed

Please select electives from the following courses:
HLTH 3530 Health and Physical Education for the Early Childhood Teacher
ENGL 5535 Children's Literature
LING 3533 Introduction to Language
MATH 3032 Foundations of Data Analysis and Geometry
MATH 5135 Algebraic Connections for K-8 Teachers
SOCI 4134 Sociology of Childhood

Major Requirements 30-36
Must include at least 21 credit hours of upper-division courses

Option 1
Complete 9 credit hours of guided electives and two 15 credit hour minors (please review minors in the undergraduate catalog)

Option 2
Complete 3 hours of guided elective and two 18 hour concentrations (please review concentrations in the undergraduate catalog)

Option 3
Complete 9 credit hours of guided electives and a combination of 15 additional approved credit hours, and a 15 credit hour minor; or 12 additional approved credit hours and a 18 credit hour concentration (please review concentrations in the undergraduate catalog)

Approved Concentrations: In consultation with and approval of the advisor, select concentrations that support the program of study

Total Credit Hours 124

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. Elementary Education, certification track.

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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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 | |
| EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts | |
| TOTAL | 124 |

Pedagogy for Professional Educators 21

EDUR 3130 Introduction to Research Methods in Education
SPED 4333 Special Education Math Methods
SPED 4733 SPED P-5 Practicum
SPED 4734 SPED 6-12 Practicum
SPED 4799 Student Teaching in Special Education

Major Requirements 30

ITEC 5233 Foundations of Technology-Enabled Learning
READ 4131 The Teaching of Reading
SPED 3130 Characteristics of Learners with Disabilities
SPED 3131 Assessment in Special Education
SPED 3134 Special Education Procedures
SPED 3231 Classroom Management
SPED 4230 Instructional and Behavior Management Methods, P-5
SPED 4231 Instructional and Behavior Management Methods, 6-12
SPED 4632 Special Education Student Teaching Seminar
TCLD 4231 Cultural Diversity and ESOL/TCLD

Emphasis 9

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 | |
| or ENGL 5534 Literature for Adolescents | |
| READ 3330 or WRIT 3131 Content Literacy | |
| WRIT 3430 Linguistics and Grammar For Teachers | |

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 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 of overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or higher in Characteristics of Learners with Disabilities (SPED 3130).
- 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 283) catalog page.

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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>EDUC 2090</td>
<td>PPB Practicum</td>
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<td>4</td>
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<tr>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-9</td>
<td></td>
<td>Guided Electives</td>
</tr>
</tbody>
</table>

Major Requirements

Must include at least 21 credit hours of upper division courses

Option 1

Complete 9 credit hours of guided electives and two 15 credit hour minors (please review minors in the undergraduate catalog)

Option 2

Complete 3 hours of guided electives and two 18 hour concentrations. (please review concentrations in the undergraduate catalog)

Option 3

Complete 9 credit hours of guided electives and a combination of 15 additional approved credit hours, and a 15 credit hour minor, or 12 additional approved credit hours and a 18 credit hour concentration. (please review concentrations in the undergraduate catalog)
Approved Concentrations: In consultation with and approval of the advisor, select concentrations that support the program of study.

Total Credit Hours 124

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. Special Education, certification track.

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.

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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, 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 certificate programs in educational leadership, instructional technology and school library media, and the teacher leader and the online teaching and learning endorsements. The department also houses the Instructional Design and Technology minor.

Programs

Majors

No results were found.

Minors

• Instructional Design and Technology Minor (p. 165)

Instructional Design and Technology Minor

Minor Program

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

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</tr>
<tr>
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<td>ITEC 3131</td>
<td>Principles of E-Learning</td>
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<tr>
<td></td>
<td>ITEC 3132</td>
<td>Introduction to Instructional Design</td>
</tr>
<tr>
<td></td>
<td>ITEC 3133</td>
<td>Multimedia Message Design</td>
</tr>
<tr>
<td></td>
<td>ITEC 4134</td>
<td>E-Learning Project Management and Evaluation</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Department of Leadership, Technology and Human Development Instructional Design and Technology Undergraduate Minor https://coe.georgiasouthern.edu/itec/minor/

Advisement

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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 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, 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. 167)
- Health and Physical Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 168)
- Middle Grades Education B.S.Ed. (Certification Track) (p. 168)
- Middle Grades Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 170)
- Secondary Education B.S.Ed. (Emphasis in Biology Education - Certification Track) (p. 171)
- Secondary Education B.S.Ed. (Emphasis in Chemistry Education - Certification Track) (p. 172)
- Secondary Education B.S.Ed. (Emphasis in English Education - Certification Track) (p. 173)
- Secondary Education B.S.Ed. (Emphasis in History Education - Certification Track) (p. 174)
- Secondary Education B.S.Ed. (Emphasis in Mathematics Education - Certification Track) (p. 175)
- Secondary Education B.S.Ed. (Emphasis in Physics - Certification Track) (p. 176)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track) (p. 177)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Chemistry - Non-Certification Track) (p. 178)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - Non-Certification Track) (p. 179)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - Non-Certification Track) (p. 180)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics-Non-Certification Track) (p. 181)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Physics - Non-Certification Track) (p. 182)

Minors

No results were found.

Endorsement

- English for Speakers of Other Languages (ESOL) Education Undergraduate Endorsement (p. 166)
- Gifted In-field Undergraduate Endorsement (Online) (p. 166)

English for Speakers of Other Languages (ESOL) Education Undergraduate Endorsement

ESOL Undergraduate Endorsement Requirements: 9 Credit Hours

This program prepares individuals enrolled in a BSED teacher certification program to teach English to speakers of other languages in grades P-12.

Endorsement Program Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
</tr>
<tr>
<td></td>
<td>TCLD 4233</td>
<td>Applied Linguistics for ESOL/TCLD</td>
</tr>
</tbody>
</table>

Other Program Requirements

1. Admission to a BSED teacher certification program.
2. Complete 9 credit hours of prescribed course work.
3. Upon successful completion of all program requirements for the BSED certification program and ESOL endorsement and successful completion of all certification requirements, the program completer qualifies for a level 4 teaching certification and an ESOL endorsement.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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 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. 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 Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 5130</td>
<td>12</td>
</tr>
<tr>
<td>Nature and Needs of Gifted and Talented Learners</td>
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</tr>
<tr>
<td>ESED 5131</td>
<td>12</td>
</tr>
<tr>
<td>Curriculum for Gifted and Talented Learners</td>
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</tr>
<tr>
<td>ESED 5132</td>
<td>12</td>
</tr>
<tr>
<td>Methods for Teaching Gifted and Talented Learners</td>
<td></td>
</tr>
<tr>
<td>EDF 5133</td>
<td>12</td>
</tr>
<tr>
<td>Assessment and Procedures for Teaching Gifted and Talented Learners</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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 the 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 A-E): 42 Credit Hours

Additional Requirements: 4 Credit Hours

Area F - Courses Appropriate to Major: 18 Credit Hours

Pre-Professional Block

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2090  PBP Practicum</td>
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</tr>
<tr>
<td>EDUC 2110  Investigating Critical and Contemporary Issues in Education</td>
<td></td>
</tr>
<tr>
<td>EDUC 2120  Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
<td></td>
</tr>
<tr>
<td>EDUC 2130  Exploring Learning and Teaching</td>
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</tr>
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</table>

Other Courses for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2431  Foundations of Health and Physical Education</td>
<td></td>
</tr>
<tr>
<td>KINS 2531  Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>ELECTIVE KINS (1000 or 2000 level course)</td>
<td></td>
</tr>
</tbody>
</table>

Pedagogy for Professional Educators: 26 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 4798  Student Teaching in P-12 Education</td>
<td></td>
</tr>
<tr>
<td>HLTH 3432  HPE Curriculum Development</td>
<td></td>
</tr>
<tr>
<td>ITEC 5233  Foundations of Technology-Enabled Learning</td>
<td></td>
</tr>
</tbody>
</table>

KINS 4440  Instructional Design in Health and Physical Education for Elementary Students

KINS 4441  Instructional Design in Health and Physical Education for Middle and High School Students

KINS 4637  Senior Seminar in Health and Physical Education

Major Requirements

Health Science and Kinesiology Core: 22 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 3332  Coordinated School Health Programs</td>
<td></td>
</tr>
<tr>
<td>HLTH 3431  Methods and Materials for School Health Education</td>
<td></td>
</tr>
<tr>
<td>HLTH 3135  Topics in Coordinated School Health</td>
<td></td>
</tr>
<tr>
<td>KINS 2511  Human Anatomy and Physiology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>KINS 3131  Biophysical Foundations of Human Movement</td>
<td></td>
</tr>
<tr>
<td>KINS 3430  Principles of Coaching</td>
<td></td>
</tr>
<tr>
<td>KINS 3435  Motor Learning and Development</td>
<td></td>
</tr>
<tr>
<td>KINS 4432  Adapted Physical Education</td>
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</tbody>
</table>

Movement Content and Performance Core: 12 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KINS 3432  Elementary Physical Education I</td>
<td></td>
</tr>
<tr>
<td>KINS 3433  Elementary Physical Education II</td>
<td></td>
</tr>
<tr>
<td>KINS 3436  Performance and Technique in Physical Activity I</td>
<td></td>
</tr>
<tr>
<td>KINS 3437  Performance and Technique in Physical Activity II</td>
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</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
- 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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 BSED Health & Physical Education certification track.

Other Program Requirements

• Must choose guided electives at the 3000-4000 level.
• Must identify a career path with their academic advisor

To graduate with B.S.Ed. 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

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

Middle Grades Education B.S.Ed. (Certification Track)
READ 2230  Cognition and Language (required for
course concentrations)

WRIT/LING 2430  Essential Grammar for Successful
Writing

Math:
MATH 1112  College Trigonometry

Social Studies:
GEOG 1130  World Regional Geography
or HIST
1111  World History I: Development of World Civilization

INTS 2130  Introduction to International Studies

Science:
Select 3 credit hours from the following not taken in Area
D:
BIOL 1230  Environmental Biology
CHEM 1040  Chemistry and the Environment
GEOL 1340  Environmental Geology
PHYS 1135  How Things Work
PHYS 1149  Environmental Physics

Pedagogy for Professional Educators
MGED 3131  Nature and Curriculum Needs of the
Middle Grades Learner
MGED 3731  Middle School Practicum I
MGED 3732  Middle School Practicum II
MGED 4632  Seminar in Middle Grades Education
MGED 5799  Student Teaching in Middle Grades
Education
SPED 3332  Introduction to SPED in Middle and
Secondary Grades

Major Requirements
MSED 5333  Literature and Writing for the Middle and
Secondary Schools
READ 3330  Content Literacy
TCLD 4231  Cultural Diversity and ESOL/TCLD

Methods Requirements
Select two of the following according to concentration
areas
MGED 3232  Methods of Teaching Science in the
Middle Grades
MGED 3332  Methods of Teaching Language Arts in the
Middle Grades
MGED 3432  Methods of Teaching Social Studies in the
Middle Grades
MGED 3532  Methods of Teaching Mathematics in the
Middle Grades

Concentrations
Fifteen credit hours required for primary and secondary
concentration areas

Language Arts:
ENGL 5135  Teaching Literature to Middle and
Secondary School Students
ENGL 5534  Literature for Adolescents
WRIT 3130  Creative Writing
or WRIT
3140  Writing for Young Readers
WRIT 3131  Teaching Writing
WRIT 3430  Linguistics and Grammar for Teachers

Math:
MATH 2010  Problem Solving for K-8 Teachers

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
MATH 5137  Geometry for K-8 Teachers

Science:
GEOG 3330  Weather and Climate
GEOL 5230  Earth Science
GEOL 5231  General Oceanography
ISCI 2001  Life/Earth Science
ISCI 2002  Physical Science

Social Studies:
Select 3 credit hours from the following:
HIST 3434  Modern European Thought
HIST 3530  History of Africa to 1800
HIST 3531  History of Africa since 1800
HIST 3532  The Modern Middle East
HIST 3533  Modern East Central Europe
HIST 3534  Modern Southeast Asia
HIST 3538  Latin America since Independence

Select 3 credit hours from the following:
HIST 3130  African American History to 1865
HIST 3131  African American History since 1865
HIST 3133  United States Constitutional History
HIST 3134  American Economic History
HIST 3135  US Foreign Relations to World War I
HIST 3136  US Foreign Relations since World War I
HIST 3139  History of Religion in the U.S.
HIST 3740  Women & Gender in Amer Hist
HIST 4132  Recent America: U.S. Since 1945

Select 3 credit hours from the following:
HIST 4531  World War I
HIST 5130  American Indian History
INTS 3130  Contemporary World Cultures
(prerequisite INTS 2130)
MSED 4130  Teaching Global Issues in Middle/
Secondary Classrooms

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” 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 earn a minimum 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 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 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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

Credit Hours

| 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
EDUC 2130  Exploring Learning and Teaching

Prerequisite Courses to Teaching Field

| MATH 2008  Foundations of Numbers and Operations |
| Select 3 credit hours in the primary concentration area (language arts, math, science, or social studies) and 3 credit hours in the secondary concentration area (language arts, math, science, or social studies): |
| Language Arts: |
| READ 2230  Cognition and Language |
| WRIT 2430  Essential Grammar for Successful Writing |
| Math: |
| MATH 1112  College Trigonometry |
| Social Studies: |
| Select if not taken in Area B |
| GEOG 1130  World Regional Geography |
| HIST 1111  World History I: Development of World Civilization |
| INTS 2130  Introduction to International Studies |
| Science: |
| Select if not taken in Area D: |
| BIOL 1230  Environmental Biology |
| CHEM 1040  Chemistry and the Environment |
| GEOL 1340  Environmental Geology |
| PHYS 1135  How Things Work |
| PHYS 1149  Environmental Physics |

Professional Education
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 3332  Introduction to SPED in Middle and Secondary Grades
TCLD 4231  Cultural Diversity and ESOL/TCLD

Select one from the following:
ENGL 5534  Literature for Adolescents
ENGL 5535  Children's Literature
HLTH 3135  Topics in Coordinated School Health
LING 3533  Introduction to Language
MATH 3032  Foundations of Data Analysis and Geometry
READ 3330  Content Literacy
SOCI 4134  Sociology of Childhood
WRIT 3220  Introduction to Professional and Technical Writing
WRIT 3230  Writing in the Workplace

Guided Electives

See Option 1, 2, and 3 below to determine credit hours of guided electives needed

Please select electives from the following courses:
ENGL 5135  Teaching Literature to Middle and Secondary School Students
ENGL 5534  Literature for Adolescents
GEOG 3330  Weather and Climate
GEOG 4232  Geography of Latin America
GEOG 4233  Geography of Asia
GEOG 4330  Geography of Africa South of the Sahara
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. Middle Grades Education certification track.

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 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

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

Other Courses to Teaching Field

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 1230L Environmental Biology Lab
STAT 1401 Elementary Statistics

If Other Courses to Teaching Field have been taken in Area D, Select one BIOL or MATH (1000-2000 level course)

Professional Education

EDUC 2130 Exploring Learning and Teaching
SCED 3121 Planning and Instruction for Secondary Educators
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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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. 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 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
Other Courses to Teaching Field
BIOL 1107 Principles of Biology I
BIOL 1107L Principles of Biology I Laboratory
CHEM 1212K Principles of Chemistry II
CHEM 2100 Analytical Chemistry
If Other Courses to Teaching Field have been taken in Area D, Select one BIOL or CHEM (1000-2000 level course)
Professional Education 37
EDUC 2130 Exploring Learning and Teaching
SCED 3121 Planning and Instruction for Secondary Educators
SCED 3237 Methods of Teaching 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 3401</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CHEM 3402</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>CHEM 3700</td>
<td>Teaching Internship in Chemistry (2 credit hours)</td>
</tr>
<tr>
<td>BCHM 5201</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>BCHM 5202</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>Upper-Level Chemistry Electives (3000+, not including CHEM 3530)- 6 credit hours</td>
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</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 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 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).
- Must successfully complete assessments identified at each program transition point.

**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**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 283) catalog page.

**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

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E) 42</th>
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<tbody>
<tr>
<td>Additional Requirements 4</td>
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<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>18</th>
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<tbody>
<tr>
<td>Pre-Professional Block</td>
<td></td>
</tr>
<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>Other Courses to Teaching Field</td>
<td></td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities</td>
</tr>
<tr>
<td>ENGL 2111</td>
<td>World Literature I</td>
</tr>
<tr>
<td>ENGL 2112</td>
<td>World Literature II</td>
</tr>
<tr>
<td>WRIT 2133</td>
<td>Forms in Writing</td>
</tr>
<tr>
<td>If Other Courses to Teaching Field have been taken in Area C, Select one ENGL (1000-2000 level course)</td>
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<tr>
<td>Professional Education 37</td>
<td></td>
</tr>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
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<tr>
<td>SCED 3121</td>
<td>Planning and Instruction for Secondary Educators</td>
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<tr>
<td>SCED 3337</td>
<td>Methods of Teaching Language Arts in Secondary Schools</td>
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<td>SCED 3721</td>
<td>Secondary School Practicum I</td>
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<td>Instructional Assessment for Diverse Learners</td>
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<td>SCED 4739</td>
<td>Student Teaching Residency I</td>
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<td>Student Teaching in Secondary Education</td>
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<tr>
<td>SPED 3332</td>
<td>Introduction to SPED in Middle and Secondary Grades</td>
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<table>
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<th>Major Requirements 24</th>
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<tbody>
<tr>
<td>Select 6 credit hours from the following:</td>
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Enrollment

Advisement
Advisor at least once a semester. For more information visit the campuses. Students are required to meet with their assigned Academic Advisors are located on all three Georgia Southern University campuses. Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors.

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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

Additional Requirements

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

Other Courses to Teaching Field

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

ANTH XXXX Social Sciences course (3000 level or higher and selected in consultation with your advisor)

or ECON XXXX or SOCI XXXX
GEOG XXXX  Geography course (3000 level or higher)
HIST 2630  Historical Methods
HIST 3XXX  U.S. History Course (selected in consultation with your advisor)
HIST 3XXX  European History Course (selected in consultation with your advisor)
HIST 3XXX  Non-European History Course (selected in consultation with your advisor)
HIST 4130  Georgia History
POLS 3XXX  Political Science (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 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 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. Please note: some program courses may only be offered on the Armstrong Campus.
- 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.

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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Secondary Education B.S.Ed. (Emphasis in Mathematics Education - 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
Specific Requirements (Area A2) 37
Specific Requirements (Area D2) 12
Area F - Courses Appropriate to Major 4
Pre-Professional Block 6
Other Courses to Teaching Field 12
Professional Education 37

Major Requirements 24
Secondary Education B.S.Ed.  
(Emphasis Physics - 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.

**General Requirements (Core Areas A - E)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1441 Calculus I (Recommended)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Specific Requirements (Area A2-Quantitative Skills)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010 Astronomy of the Solar System</td>
<td>1</td>
</tr>
<tr>
<td>ASTR 1020 Stellar and Galactic Astronomy</td>
<td>1</td>
</tr>
<tr>
<td>ASTR 1211 Astronomy Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Additional Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2090 PPB Practicum</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 2110 Investigating Critical and Contemporary Issues in Education</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
<td>1</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>CHEM 1211 Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1212 Principles of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2242 Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

If Other Courses to Teaching Field have been taken in Area D, Select one CHEM or MATH (1000-2000 level course)

**Specific Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010 Astronomy of the Solar System</td>
<td>1</td>
</tr>
<tr>
<td>ASTR 1020 Stellar and Galactic Astronomy</td>
<td>1</td>
</tr>
<tr>
<td>ASTR 1211 Astronomy Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Professional Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
<td>4</td>
</tr>
<tr>
<td>SCED 3121 Planning and Instruction for Secondary Educators</td>
<td>4</td>
</tr>
<tr>
<td>SCED 3237 Methods of Teaching Science in Secondary Schools</td>
<td>4</td>
</tr>
<tr>
<td>SCED 3721 Secondary School Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>SCED 4137 Instructional Assessment for Diverse Learners</td>
<td>4</td>
</tr>
<tr>
<td>SCED 4231 Content Specific Pedagogy for Secondary Education</td>
<td>4</td>
</tr>
<tr>
<td>SCED 4632 Student Teaching Seminar in Secondary Education</td>
<td>4</td>
</tr>
<tr>
<td>SCED 4732 Secondary School Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>SCED 4739 Student Teaching Residency I</td>
<td>4</td>
</tr>
<tr>
<td>SCED 5799 Student Teaching in Secondary Education</td>
<td>4</td>
</tr>
</tbody>
</table>

**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**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
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.

### Admissions

**SPED 3332**  
Introduction to SPED in Middle and Secondary Grades

### Major Requirements

- **ASTR 3790**  
  Teaching Internship in Astronomy  
  or **PHYS 3790**  
  Teaching Internship in Physics

- **MATH 1441**  
  Calculus I (Carry-over from A2-1 hour)

- **PHYS 3536**  
  Modern Physics I

- **PHYS 3537**  
  Modern Physics II

- **PHYS 4421**  
  Advanced Physics Lab I

### Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements.

### Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program and qualify for a Georgia Preservice Certificate.
- Must meet all 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 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.

### Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

### Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track)

#### Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in Biology-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.

### General Requirements (Core A-E)

- **Pre-Professional Block**
  - **EDUC 2090**  
    PBP Practicum
  - **EDUC 2110**  
    Investigating Critical and Contemporary Issues in Education
  - **EDUC 2120**  
    Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

### Additional Requirements

- **Area F - Courses Appropriate to Major**
  - **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 1230L**  
    Environmental Biology Lab
  - **STAT 1401**  
    Elementary Statistics

- If Other Courses to Teaching Field have been taken in Area D, Select one BIOL or MATH (1000-2000 level course)

### 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

- **Credit Hours**
  - **3-9**

---

**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 earn a minimum 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. Please note: some courses may only be offered on the Statesboro Campus.
- 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.

**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.

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**Total Credit Hours**

- **125**
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.

<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>Pre-Professional Block</td>
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<td></td>
</tr>
<tr>
<td>EDUC 2090</td>
<td>PPB Practicum</td>
<td></td>
</tr>
<tr>
<td>EDUC 2110</td>
<td>Investigating Critical and Contemporary Issues in Education</td>
<td></td>
</tr>
<tr>
<td>EDUC 2120</td>
<td>Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
<td></td>
</tr>
<tr>
<td>Other Courses to Teaching Field</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 1107L</td>
<td>Principles of Biology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 2100</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
<tr>
<td>If Other Courses to Teaching Field have been taken in Area D, Select one BIOL or CHEM (1000-2000 level course)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Education</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
<td></td>
</tr>
<tr>
<td>EDUF 3232</td>
<td>Educational Psychology: General</td>
<td></td>
</tr>
<tr>
<td>EDUR 3130</td>
<td>Introduction to Research Methods in Education</td>
<td></td>
</tr>
<tr>
<td>ITEC 5233</td>
<td>Foundations of Technology-Enabled Learning</td>
<td></td>
</tr>
<tr>
<td>READ 3330</td>
<td>Content Literacy</td>
<td></td>
</tr>
<tr>
<td>SPED 3332</td>
<td>Introduction to SPED in Middle and Secondary Grades</td>
<td></td>
</tr>
<tr>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
<td></td>
</tr>
<tr>
<td>Guided Electives</td>
<td>3-9</td>
<td></td>
</tr>
<tr>
<td>See Option 1, 2, and 3 below to determine credit hours of guided electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Please select electives from the following courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 3401</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 3402</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>BCHM 5201</td>
<td>Biochemistry I</td>
<td></td>
</tr>
<tr>
<td>BCHM 5202</td>
<td>Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 124

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.

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 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

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Select one of the following options:  

Option 1
Complete 9 credit hours of guided electives and two 15 credit hour minors related to Chemistry

Option 2
Complete 3 credit hours of guided electives and 36 credit hours of Chemistry related content

Option 3
Complete 9 credit hours of guided electives, 15 credit hours of approved courses in Chemistry, and a 15 credit hour minor related to Chemistry

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 Chemistry Education certification track.

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 Secondary Chemistry 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - 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.
The selected option must include at least 21 credit hours of upper division English 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 English Education certification track.

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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - 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 B.S.Ed. Secondary Education, Concentration in History Education Certification Track.

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)

<table>
<thead>
<tr>
<th>Professional Education</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 3232 Educational Psychology: General</td>
<td>3</td>
</tr>
<tr>
<td>EDUR 3130 Introduction to Research Methods in Education</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 5233 Foundations of Technology-Enabled Learning</td>
<td>3</td>
</tr>
<tr>
<td>READ 3330 Content Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3332 Introduction to SPED in Middle and Secondary Grades</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 4231 Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
</tr>
</tbody>
</table>

Guided Electives 3-9

- See Option 1, 2, and 3 below to determine credit hours of guided electives
- Please choose electives from the following courses:
  - ANTH XXXX or ECON XXXX or SOCI XXXX Social Sciences course (3000 level or higher and selected in consultation with your advisor)
  - GEOG XXXX Geography course (3000 level or higher)
  - HIST 3XXX US History Course (selected in consultation with your advisor)
  - HIST 3XXX European History Course (selected in consultation with your advisor)
  - HIST 3XXX Non-European History Course (selected in consultation with your advisor)
  - HIST 4130 Georgia History
  - POLS 3XXX Political Science (selected in consultation with your advisor)

Major Requirements 30-36

Select one of the following options: 1

Option 1

- Complete 9 credit hours of guided electives and two 15 credit hour minors related to History

Option 2

- Complete 3 credit hours of guided electives and two 18 credit hour concentrations related to History

Option 3

- Complete 9 credit hours of guided electives and a combination of 15 additional approved credit hours related to History, and a 15 credit hour minor related to History; or 12 additional approved credit hours related to History and a 18 credit hour concentration related to History

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 History Education certification track.
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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics-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 BSEd 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>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Specific Requirements (Area A2)</td>
</tr>
<tr>
<td>MATH 1441 Calculus I</td>
</tr>
<tr>
<td>MATH 2242 Calculus II</td>
</tr>
<tr>
<td>Specific Requirements (Area D2)</td>
</tr>
<tr>
<td>MATH 2160 Linear Algebra</td>
</tr>
<tr>
<td>MATH 2243 Calculus III</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>Other Courses to Teaching Field</td>
</tr>
<tr>
<td>MATH 1441 Calculus I (Carry-over from A2)</td>
</tr>
<tr>
<td>MATH 2160 Linear Algebra</td>
</tr>
<tr>
<td>MATH 2242 Calculus II (Carry-over from D2)</td>
</tr>
<tr>
<td>MATH 2243 Calculus III</td>
</tr>
<tr>
<td>MATH 2332 Mathematical Structures</td>
</tr>
<tr>
<td>Professional Education</td>
</tr>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
</tr>
<tr>
<td>EDUF 3232 Educational Psychology: General</td>
</tr>
<tr>
<td>EDUR 3130 Introduction to Research Methods in Education</td>
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<tr>
<td>ITEC 5233 Foundations of Technology-Enabled Learning</td>
</tr>
<tr>
<td>READ 3330 Content Literacy</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>
</tbody>
</table>

Guided Electives: 3-9

See Option 1, 2, and 3 below to determine credit hours of guided electives

Please select electives from the following courses:

- MATH 3337 Probability
- MATH 3360 Modern Geometry
- MATH 5136 History of Mathematics
- MATH 5234 Number Theory
- MATH 5331 Analysis I
- MATH 5333 Modern Algebra I
- MATH 5335 Intermediate Linear Algebra
- STAT 5531 Statistical Methods I

Major Requirements: 30-36

Select one of the following options: 1

Option 1
- Complete 9 credit hours of guided electives and two 15 credit hour minors related to Mathematics

Option 2
- Complete 3 credit hours of guided electives and 36 credit hours of Mathematics related content

Option 3
- Complete 9 credit hours of guided electives, 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.

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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses.
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 (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.

### General Requirements (Core A - E)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 1441</td>
<td>Calculus I</td>
<td>4</td>
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</table>

### Specific Requirements (Area A2-Quantitative Skills)

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>MATH 2242</td>
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### Additional Requirements

<table>
<thead>
<tr>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 2090</td>
<td>PPB Practicum</td>
<td>3</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>
</tbody>
</table>

### Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

If Other Courses to Teaching Field have been taken in Area D, Select one CHEM or MATH (1000-2000 level course)

### Professional Education

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 3232</td>
<td>Educational Psychology: General</td>
<td>3</td>
</tr>
<tr>
<td>EDUR 3130</td>
<td>Introduction to Research Methods in Education</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 5233</td>
<td>Foundations of Technology-Enabled Learning</td>
<td>3</td>
</tr>
<tr>
<td>READ 3330</td>
<td>Content Literacy</td>
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</tr>
<tr>
<td>SPED 3332</td>
<td>Introduction to SPED in Middle and Secondary Grades</td>
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<tr>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
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### Guided Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ASTR 3137</td>
<td>The Search for Life in the Universe</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 4130</td>
<td>Astrophysics</td>
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</tr>
<tr>
<td>CHEM 2100</td>
<td>Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3501</td>
<td>Chemical Kinetics and Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3502</td>
<td>Introduction to Quantum Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3130</td>
<td>Sound Waves and Acoustics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3131</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3536</td>
<td>Modern Physics I</td>
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</tr>
<tr>
<td>PHYS 3537</td>
<td>Modern Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 3558</td>
<td>Introduction to General Relativity</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 4421</td>
<td>Advanced Physics Lab I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Major Requirements

Select one of the following options: 

#### Option 1

Complete 9 credit hours of guided electives and 15 credit hour minors related to Physics

#### Option 2

Complete 3 credit hours of guided electives and 36 credit hours of Physics related content

#### Option 3

Complete 9 credit hours of guided electives, 15 credit hours of approved courses in Physics, and a 15 credit hour minor related to Physics

### 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.

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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

### 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)

Birth Through Kindergarten - B.S. Child and Family Development teacher preparation program offered in collaboration with the School of Human Ecology (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. (Statesboro Campus)

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. (Statesboro Campus)

**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 (http://catalog.georgiasouthern.edu/graduate/education/non-degree-graduate-studies)/M.A.T. requirements (http://catalog.georgiasouthern.edu/graduate/education/alternative-teacher-certification-programs/).) 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 (http://catalog.georgiasouthern.edu/graduate/education/alternative-teacher-certification-programs/).) 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 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. Successfully completed the Georgia Educator Ethics Assessment.
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. https://coe.georgiasouthern.edu/advisement/certification/pre-service-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 earn a minimum grade of “C” in all professional education and all teaching field coursework.
3. Students must successfully complete all field 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. Students must abide by this Code of Ethics and report any violations to the Georgia Professional Standards Commission.
6. 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.
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.

Policies and Procedures for Field Experiences, Internships and Clinical Experience - Initial Teacher Preparation

Field Experience Placement Policies

Field placements are critical to the preparation of candidates in our teacher preparation programs. Georgia Southern University and its Partner Schools place great importance on field experiences.

- All field experiences are coordinated between the Office of Curriculum, Instruction and Initial Educator Preparation; 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 TCLD 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 requests 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 requirements 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 higher.
4. Prior to clinical practice complete all coursework in the program of study. Exceptions are TCLD 5235 and COED 3610.
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 Curriculum, Instruction and Initial Educator Preparation.

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 or 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.gapsc.com (http://www.gapsc.com).

Upon program completion and meeting all certification requirements candidates will be ready to apply for certification. Please see the College of Education Advisement Center website for further information and instructions https://coe.georgiasouthern.edu/advisement/. (https://coe.georgiasouthern.edu/advisement/)

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 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 Angela Mills-Fleming, 912-344-2552 or amills@georgiasouthern.edu. https://coe.georgiasouthern.edu/advisement/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 (http://catalog.georgiasouthern.edu/graduate/education/alternative-teacher-certification-programs/)). 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 Certification Officer
Ms. Angela Mills-Fleming
11935 Abercorn Street
Savannah, GA 31419
amills@georgiasouthern.edu
(912) 344-2552
https://coe.georgiasouthern.edu/advisement/certification/

Allen E. Paulson College of Engineering Computing

The Allen E. Paulson College of Engineering and Computing at Georgia Southern University offers both undergraduate and graduate degree programs. At the undergraduate level, the College 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. Computer Science and Information Technology 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 Civil Engineering, Computer Science, Electrical Engineering, Information Technology, Mechanical Engineering, and Applied Engineering (with concentrations in Advanced Manufacturing Engineering and in Engineering Management). The College also offers two graduate certificates on the Statesboro campus: Engineering; Manufacturing Management; and Occupational Safety; Environmental Compliance. 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 Allen E. Paulson College of Engineering and Computing will be a recognized leader in student-centric experiential learning, applied research in engineering and computing, and service to our communities.

Mission

The Allen E. Paulson College of Engineering and Computing is to advance the engineering and computing disciplines, ensure student success, and support regional economic development. This will be accomplished by promoting excellence in faculty scholarship and teaching, fostering experiential learning, and partnering with regional stakeholders.

College Structure

• Department of Civil Engineering and Construction Management (p. 186)
• Department of Computer Science (p. 190)
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 Director of Industrial Relations, Dr. Reinhold Gerbsch, 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 Director of Industrial Relations, Dr. Reinhold Gerbsch, 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 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. 187)
- Computer Engineering B.S.Cp.E. (p. 192)
- Computer Science B.S. (p. 190)
- Construction B.S.Cons. (p. 188)
- Construction Engineering B.S.Con.E. (p. 189)
- Electrical Engineering B.S.E.E. (p. 193)
- Information Technology B.I.T (Online) (p. 196)
- Information Technology B.S.I.T (Concentration in Data Science) (p. 196)
- Information Technology B.S.I.T. (p. 195)
- Manufacturing Engineering B.S.Mfg.E. (p. 198)
- Mechanical Engineering B.S.M.E. (p. 200)

Minors

- Computer Science Minor (p. 192)
- Cyber Security Minor (p. 197)
- Information Technology Minor (p. 197)

Certificates

- Cyber Security Certificate (p. 198)

Advising

Academic advisement for majors in the College is conducted through the College’s Advisement Center.

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: mdavoud@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: asaad@georgiasouthern.edu

Director: Reinhold Gerbsch
Industrial Relations
IT Building Room 3400
P.O. Box 7995
(912) 478-5474
E-mail address: rgerbsch@georgiasouthern.edu

Department of Civil Engineering and Construction Management

The departmental goals are to instill in 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 and proficient in the practical aspects of “real world” civil engineering, construction engineering, and construction. The Civil Engineering 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 becomes eligible to apply for EAC of ABET accreditation upon graduation of the first cohort of students.
Programs

Majors

- Civil Engineering B.S.C.E. (p. 187)
- Construction B.S.Cons. (p. 188)
- Construction Engineering B.S.Con.E. (p. 189)

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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E) 42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements 4</td>
<td></td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major 18</td>
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<tr>
<td>CENG 1133 Engineering Graphics for Civil and Construction Engineers</td>
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<tr>
<td>CHEM 1310 Comprehensive General Chemistry</td>
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<tr>
<td>MATH 2160 Linear Algebra</td>
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<td>MATH 2242 Calculus II</td>
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<tr>
<td>MATH 2243 Calculus III</td>
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<td>Specific Requirements 20</td>
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<tr>
<td>Carryover from Area A2</td>
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<tr>
<td>Carryover from Area D</td>
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<tr>
<td>CENG 1731 Civil Engineering Computations</td>
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<tr>
<td>ENGR 2231 Engineering Mechanics I</td>
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<tr>
<td>ENGR 2232 Dynamics of Rigid Bodies</td>
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<tr>
<td>ENGR 3233 Mechanics of Materials</td>
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<tr>
<td>MATH 3230 Ordinary Differential Equations</td>
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<tr>
<td>STAT 1401 Elementary Statistics</td>
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</table>

| 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 Construction Cost Control and Finance or TCM 3331 Construction 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:

- CENG 4133 Transportation Systems
- CENG 4232 Foundation Design
- 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
- OR other appropriate topics approved by the Department Chair.

Free Elective 3

Select 3 credit hours of Free Electives

Total Credit Hours 130

1 While Calculus I (MATH 1141) is a 4 credit hour course, only 3 credit hours count toward fulfilling Area A2. The remaining credit hour is applied toward Specific Requirements.

2 While Environmental Geology (GEOL 1340) is a 4 credit hour course, only 3 credit hours count toward fulfilling Area D1. The remaining credit hour is applied toward Specific Requirements.

3 The 6 credit hours listed for technical electives must be upper division courses in order to meet the 39 upper division hours requirement.

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 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 NCEES Fundamentals of Engineering (FE) Exam (FE-Civil only).
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 (HONS 4999)
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied toward 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 Admission

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 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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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>General Requirements (Core Areas A - E)</th>
<th>Credit Hours</th>
</tr>
</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>
<td>ACCT 2030 Survey of Accounting</td>
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<td>TCM 1131 Building Materials and Systems</td>
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<td>TCM 1231 Introduction to Construction</td>
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<tr>
<td>Management</td>
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<td>TCM 1232 Construction Graphics</td>
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<td>TCM 2233 Construction Surveying</td>
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<tr>
<td>or CENG 2231 Surveying</td>
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<tr>
<td>WRIT 2130 Technical Communication</td>
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<tr>
<td>Major Courses</td>
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<tr>
<td>Business Elective</td>
<td>(3000 or 4000 level)</td>
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<tr>
<td>ECON 2106 Principles of Microeconomics</td>
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<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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<tr>
<td>TCM 2235 Introduction to Structures</td>
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<tr>
<td>TCM 2430 Construction Safety</td>
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<tr>
<td>TCM 3231 Steel Structures</td>
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<tr>
<td>TCM 3232 Concrete and Masonry Structures</td>
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<tr>
<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>TCM 3333 Building Codes</td>
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<td>TCM 3890 Special Problems in Construction</td>
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<td>TCM 4090 Selected Topics in Construction</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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<tr>
<td>TCM 4710 Construction Internship</td>
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<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>TCM 5431 Construction Cost Estimating</td>
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<td>TCM 5433 Proj Planning/Scheduling</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Select 3 credit hours of Free Electives</td>
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<tr>
<td>Total Credit Hours</td>
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</tbody>
</table>
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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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>
<th>42</th>
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<tbody>
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<td>Additional Requirements</td>
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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</td>
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<tr>
<td></td>
<td>Construction Engineers</td>
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</tr>
<tr>
<td>or ENGR 1133</td>
<td>Engineering Graphics</td>
<td></td>
</tr>
<tr>
<td>CENG 1731</td>
<td>Civil Engineering Computations</td>
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<td>CHEM 1310</td>
<td>Comprehensive General Chemistry</td>
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<td>MATH 2242</td>
<td>Calculus II</td>
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<td>Elementary Statistics</td>
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<td>Engineering Mechanics I</td>
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<td>ENGR 3233</td>
<td>Mechanics of Materials</td>
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<td>CENG 2131</td>
<td>Civil Engineering Fluid Mechanics</td>
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<td>or TCM 2233</td>
<td>Construction Surveying</td>
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<td>CENG 3131</td>
<td>Introduction to Environmental Engineering</td>
<td></td>
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<tr>
<td>CENG 3135</td>
<td>Construction Cost Control and Finance</td>
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<tr>
<td>or TCM 3331</td>
<td>Construction Finance</td>
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<td>CENG 3232</td>
<td>Soil Mechanics</td>
<td></td>
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<td>CENG 3233</td>
<td>Civil Engineering Materials</td>
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<td>Reinforced Concrete Design</td>
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<td>Select 6 credit hours from the below listing of Construction Electives:</td>
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<td>CENG 4135</td>
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<td>CENG 4331</td>
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<td>CENG 4518</td>
<td>Introduction to Senior Project</td>
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<td>CENG 4539</td>
<td>Senior Project</td>
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<td>TCM 2430</td>
<td>Construction Safety</td>
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<td>TCM 3330</td>
<td>Quantity Estimating</td>
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<td>TCM 5433</td>
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<td>Construction Electives</td>
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<td>CENG 4133</td>
<td>Transportation Systems</td>
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<tr>
<td>CENG 4730</td>
<td>Experiential Learning in Civil and</td>
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<td></td>
<td>Construction Engineering - COOP</td>
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<td>CENG 4890</td>
<td>Special Problems in Civil Engineering</td>
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<tr>
<td>CENG 5090</td>
<td>Selected Topics in Civil Engineering</td>
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<td>CENG 5133</td>
<td>Water Supply and Wastewater Collection Systems</td>
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<tr>
<td>CENG 5136</td>
<td>Watershed Management</td>
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<td>CENG 5137</td>
<td>Engineering Hydrology and Hydraulics</td>
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<td>CENG 5138</td>
<td>Water and Sanitation for International Development</td>
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<td>CENG 5139</td>
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<td>CENG 5231</td>
<td>Pavement Analysis and Design</td>
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<td>CENG 5232</td>
<td>Foundation Design</td>
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<td>CENG 5234</td>
<td>Asphalt Mix Design</td>
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<td>CENG 5331</td>
<td>Advanced Structural Analysis</td>
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<td>CENG 5332</td>
<td>Prestressed Concrete Design</td>
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<td>CENG 5333</td>
<td>Advanced Reinforced Concrete Design</td>
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<td>CENG 5334</td>
<td>Advanced Structural Steel Design</td>
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<tr>
<td>CENG 5335</td>
<td>Structural Dynamics</td>
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<tr>
<td>CENG 5336</td>
<td>Introduction to Finite Elements</td>
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<tr>
<td>CENG 5337</td>
<td>Advanced Strength</td>
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<tr>
<td>CENG 5338</td>
<td>Theory of Elasticity</td>
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<tr>
<td>CENG 5339</td>
<td>Theory of Elastic Stability</td>
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<tr>
<td>CENG 5431</td>
<td>Advanced Surveying</td>
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<tr>
<td>CENG 5432</td>
<td>Introduction to GIS in Surveying-</td>
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<tr>
<td></td>
<td>Geomatics and Transportation</td>
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<tr>
<td>CENG 5433</td>
<td>Drainage &amp; Erosion Control</td>
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<tr>
<td>CENG 5434</td>
<td>Surveying History &amp; Law</td>
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<td>CENG 5435</td>
<td>Introduction to Terrestrial LiDAR</td>
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<td>CENG 5436</td>
<td>Introduction to Close-Range Photogrammetry</td>
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<td>LSTD 3230</td>
<td>Building Construction Law</td>
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<td>TCM 3333</td>
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<td>TCM 4090</td>
<td>Selected Topics in Construction</td>
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<td>TCM 4432</td>
<td>Construction Administration</td>
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<td>Green Building and Sustainable</td>
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<td>Construction</td>
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<td>TCM 5333</td>
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<td>TCM 5433</td>
<td>Proj Planning/Scheduling</td>
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<tr>
<td>Free Elective</td>
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</tbody>
</table>
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
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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 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
Graduates of the program will have the ability to:
• Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions
• Design, implement, and evaluate a computing-based solution to meet a give set of computing requirements in the context of the program’s discipline
• Communicate effectively in a variety of professional contexts
• Recognize professional responsibilities and make informed judges in computing proactive based on legal and ethical principles
• Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline
• Apply computer science theory and software development fundamentals to produce computing-based solutions


Programs
Majors
• Computer Science B.S. (p. 190)

Minors
• Computer Science Minor (p. 192)

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

| CSCI 1301 Programming Principles I   |             |
| CSCI 1302 Programming Principles II  |             |
| CSCI 2120 Computers, Ethics and Society |             |
| MATH 2130 Discrete Mathematics       |             |
| MATH 2160 Linear Algebra             |             |
| MATH 2242 Calculus II                |             |

<table>
<thead>
<tr>
<th>Specific Requirements</th>
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<tbody>
<tr>
<td>Foreign Language - 2001 or higher OR International Content Course</td>
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</table>

Select one of the following Second Lab Science sequence courses: (first course in sequence assumed taken in Area D)

| BIOL 1108 Principles of Biology II   |             |
| BIOL 1108L Principles of Biology Laboratory II |             |
| CHEM 1212K Principles of Chemistry II |             |
| GEOL 1122 General Historical Geology |             |
| PHYS 1112K Introductory Physics II   |             |
| PHYS 2212 Principles of Physics II   |             |

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>33-36</th>
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<tr>
<td>CSCI 2490</td>
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<tr>
<td>&amp; CSCI 3341 C++ Programming</td>
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<tr>
<td>or CSCI 3232 Systems Software</td>
<td></td>
</tr>
<tr>
<td>&amp; CSCI 3341 and Intro To Operating Systems</td>
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</tr>
</tbody>
</table>
Select three of the following elective courses:  

CSCI 3231 Logic Circuits and Microprocessors (OR other approved 3000-level electives)  
2332 Logic Circuit Design  
CSCI 3330 Comparative Languages  
CSCI 4132 Data Warehouse Design  
CSCI 4210 High Performance Computing  
CSCI 4220 Networks  
CSCI 4235 Human Computer Interaction  
CSCI 4320 Advanced Database Systems  
CSCI 4322 Advanced Software Engineering  
CSCI 4343 Systems Prog Under Unix (Tm)  
CSCI 4350 Compiler Theory  
CSCI 4360 Embedded Systems Programming  
CSCI 4370 Handheld/Ubiquitous Computing  
CSCI 4410 Numerical Analysis  
CSCI 4439 Game Programming  
CSCI 4520 Machine Learning  
CSCI 4534 Software Testing and Quality Assurance  
CSCI 4535 Data Mining  
CSCI 4537 Broadband Networks  
CSCI 4539 Optical Networks  
CSCI 5090 Selected Topics in Computer Science  
CSCI 5230 Discrete Simulation  
CSCI 5380 Software Security and Secure Coding  
CSCI 5430 Artificial Intelligence  
CSCI 5437 Computer Graphics  
CSCI 5438 Animation  
CSCI 5531 Systems and Software Assurance  
CSCI 5532 Network Management Systems  
CSCI 5538 Wireless and Mobile Systems  

Total Credit Hours  124

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.

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  9

Select three of the following:

CSCI 4537 Broadband Networks  
CSCI 4539 Optical Networks  
CSCI 5090 Selected Topics in Computer Science  
(Requires approval by the CS Chair)  
CSCI 5532 Network Management Systems  
CSCI 5538 Wireless and Mobile Systems  

Game Programming Certificate  9

CSCI 4439 Game Programming  

Select two of the following:

CSCI 4235 Human Computer Interaction  
CSCI 5090 Selected Topics in Computer Science  
(Requires approval by CS Chair)  
CSCI 5437 Computer Graphics  
CSCI 5438 Animation  

Software Engineering Certificate  9

Select 3 of the following:

CSCI 4235 Human Computer Interaction  
CSCI 4534 Software Testing and Quality Assurance  
CSCI 5090 Selected Topics in Computer Science  
(Requires approval of the CS Chair)  
CSCI 5436 Distributed Web Systems Design  
CSCI 5531 Systems and Software Assurance  

Total Credit Hours  36

In addition to completing the course requirements for a certificate, in order to receive a certificate, it is necessary to complete the B.S. in Computer Sciences degree program.

Other Program Requirements

A minimum grade of “C” is required for each CSCI course taken in the major. This applies to all courses (lower and upper division).

Accelerated Bachelors to Masters (ABM)

Degree Requirements: 30 Credit Hours

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.
Provisional Admission

A student may be granted provisional admission based upon the recommendation of the Master of Science in Computer Science Graduate Coordinator or department 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Computer Science Minor

Minor Program

Required Courses: 13 Credit Hours

<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>3</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 3232</td>
<td>Systems Software</td>
<td>3</td>
</tr>
<tr>
<td>or CSCI 3341</td>
<td>Intro To Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3432</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5335</td>
<td>Object-Oriented Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 16

Contact

Allen E. Paulson College of Engineering and Computing
Department of Computer Science
Dr. Gursimran Walia, chair
Georgia Southern University
P.O. Box 7997
Statesboro, GA 30460
(912) 478-5898
gwalia@georgiasouthern.edu

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Department of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering offers hands-on, laboratory-oriented Bachelor of Science degree programs in Electrical Engineering and Computer Engineering. These curricula are theoretical, yet applied and career preparatory. Students gain expertise and practical knowledge in all areas of Electrical Engineering (EE) or Computer Engineering (CpE). The Electrical and Computer Engineering department has distinct focus areas 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 becomes eligible to apply for EAC of ABET accreditation upon the graduation of the first cohort of students.

Programs

Majors

- Computer Engineering B.S.Cp.E. (p. 192)
- Electrical Engineering B.S.E.E. (p. 193)

Minors

No results were found.

Computer Engineering B.S.Cp.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 Credit Hours

Area - F Courses Appropriate to Major 18 Credit Hours

Specific Requirements 18 Credit Hours

Major Requirements 39 Credit Hours

Contact

Allen E. Paulson College of Engineering and Computing
Department of Computer Science
Dr. Gursimran Walia, chair
Georgia Southern University
P.O. Box 7997
Statesboro, GA 30460
(912) 478-5898
gwalia@georgiasouthern.edu
Select at least 6 credit hours of technical electives from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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 5330</td>
<td>Network Architecture and Protocols</td>
</tr>
<tr>
<td>EENG 5341</td>
<td>Robotic Systems Design with Lab</td>
</tr>
<tr>
<td>EENG 5538</td>
<td>Cybersecurity for Networked Electrical and Electronics Systems</td>
</tr>
<tr>
<td>EENG 5891</td>
<td>Special Problems in Electrical and Computer Engineering</td>
</tr>
<tr>
<td>CSCI 5335</td>
<td>Object-Oriented Design</td>
</tr>
<tr>
<td>CSCI 5380</td>
<td>Software Security and Secure Coding</td>
</tr>
<tr>
<td>CSCI 5436</td>
<td>Distributed Web Systems Design</td>
</tr>
<tr>
<td>CSCI 5531</td>
<td>Systems and Software Assurance</td>
</tr>
</tbody>
</table>

Free Elective 3

Select 3 credit hours of Free Electives

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.

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 4640.
- Maintain a 3.3 institutional grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

Advisement

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Electrical Engineering B.S.E.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>Course Name</th>
</tr>
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<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>18</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>6</td>
<td>Free Elective</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENGR 1732</td>
<td>Program Design for Engineers</td>
</tr>
<tr>
<td>MATH 2243</td>
<td>Calculus III</td>
</tr>
<tr>
<td>PHYS 221K</td>
<td>Principles of Physics II</td>
</tr>
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</table>

Specific Requirements 12

- Carryover from Area A2
- Carryover from Area D

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EENG 2341</td>
<td>Introduction to Signal Processing with Lab</td>
</tr>
<tr>
<td>MATH 3230</td>
<td>Ordinary Differential Equations</td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
</tr>
</tbody>
</table>

Major Requirements 45

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EENG 3230</td>
<td>Electromagnetic Fields</td>
</tr>
<tr>
<td>EENG 3241</td>
<td>Electric Machines w/Lab</td>
</tr>
<tr>
<td>EENG 3337</td>
<td>Power Systems Fundamentals</td>
</tr>
<tr>
<td>EENG 3345</td>
<td>Circuit Analysis II with Lab</td>
</tr>
<tr>
<td>EENG 3340</td>
<td>Microcontrollers with Lab</td>
</tr>
<tr>
<td>EENG 3341</td>
<td>Microelectronics with Lab</td>
</tr>
<tr>
<td>EENG 3420</td>
<td>Linear Systems</td>
</tr>
<tr>
<td>EENG 3421</td>
<td>Advanced Engineering Analysis</td>
</tr>
<tr>
<td>EENG 4640</td>
<td>Electrical and Computer Engineering Senior Capstone Design</td>
</tr>
<tr>
<td>EENG 5431</td>
<td>Control Systems with Lab</td>
</tr>
<tr>
<td>EENG 5540</td>
<td>Communication Systems with Lab</td>
</tr>
<tr>
<td>ENGR 2323</td>
<td>Digital Design Lab</td>
</tr>
<tr>
<td>ENGR 2332</td>
<td>Logic Circuit Design</td>
</tr>
<tr>
<td>ENGR 2334</td>
<td>Circuit Analysis I</td>
</tr>
</tbody>
</table>

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 Architecture and Protocols</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>
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

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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. 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:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions
- Design, implement, and evaluate a computing-based solution to meet a give set of computing requirements in the context of the program’s discipline
- Communicate effectively in a variety of professional contexts
- Recognize professional responsibilities and make informed judges in computing proactive based on legal and ethical principles
- Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline
- Identify and analyze user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing based systems

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. The BIT is delivered entirely online as an eMajor degree through a partnership between Georgia Southern University and the University System of Georgia’s (USG) eCampus.
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. 196)
- Information Technology B.S.I.T (Concentration in Data Science) (p. 196)
- Information Technology B.S.I.T. (p. 195)

Minors

- Cyber Security Minor (p. 197)
- Information Technology Minor (p. 197)

Certificates

- Cyber Security Certificate (p. 198)

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>General Requirements (Core Areas A-E) 42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Requirements</td>
<td></td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking (Recommended Area C)</td>
</tr>
<tr>
<td>MATH 1111</td>
<td>College Algebra (Recommended Area A2)</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (Recommended Area D2)</td>
</tr>
<tr>
<td>or MATH 1441</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Additional Requirements 4</td>
<td></td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major 18</td>
<td></td>
</tr>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
</tr>
<tr>
<td>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: 1

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 33-34

- Carryover from Area F 2
- IT 2333 IT Infrastructure
- IT 2530 Operating Systems
- IT 2531 Introduction to Cyber Security
- IT 3133 E-Commerce

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 5233 Web and Mobile Security Fundamentals
  or IT 5235 Advanced Web Interfaces
- IT 5236 Distributed and Mobile Systems

Information Management

- IT 3432 Analytics Programming
- IT 4136 Knowledge Discovery and Data Mining
- IT 5135 Data Analytics

Network and Data Center:

- IT 4234 Datacenter Management
- IT 4335 Network Architecture
- IT 5434 Advanced Network Security

Cyber Security:

- IT 3530 Fundamentals of Information Systems Security
- IT 4336 Network Security
- IT 4337 Ethical Hacking

Electives 17-18

Elective Hours (a minimum of 9 credit hours must be upper division)

Total Credit Hours 124

1

IT majors must complete one of the following programming course sequences: IT 2430 and IT 2431 or (CSCI 1301 and CSCI 1302). The appropriate sequence depends on the student’s Specialization Area. Students should consult with their advisor prior to enrolling in these courses.

2

While Programming Principles I (CSCI 1301) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Major Requirements.

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

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 Admission

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 of graduate 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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1110</td>
<td>Public Speaking (Recommended Area C)</td>
<td></td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security (Recommended Area D2)</td>
<td></td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I (Recommended Area A2)</td>
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</tr>
</tbody>
</table>

Credit Hours

Electives 5

Total Credit Hours 124

Additional Requirements 4

Area F - Courses Appropriate to Major 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
</tr>
<tr>
<td>IT 1430</td>
<td>Web Page Development</td>
</tr>
<tr>
<td>IT 2430</td>
<td>Data Programming I</td>
</tr>
<tr>
<td>IT 2431</td>
<td>Data Programming II</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
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Specific Requirements Beyond Area A1-F 6

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
</tr>
<tr>
<td>STAT 1402</td>
<td>Elementary Statistics II</td>
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Major Requirements 49

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CISM 4237</td>
<td>Business Intelligence</td>
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<tr>
<td>IT 2333</td>
<td>IT Infrastructure</td>
</tr>
<tr>
<td>IT 2530</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>IT 3230</td>
<td>Data Visualization</td>
</tr>
<tr>
<td>IT 3133</td>
<td>E-Commerce</td>
</tr>
<tr>
<td>IT 3231</td>
<td>Data Communications</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 3432</td>
<td>Analytics Programming</td>
</tr>
<tr>
<td>IT 4130</td>
<td>IT Issues and Management</td>
</tr>
<tr>
<td>IT 4136</td>
<td>Knowledge Discovery and Data Mining</td>
</tr>
<tr>
<td>IT 4137</td>
<td>Data Science and Big Data Analytics Capstone Project</td>
</tr>
<tr>
<td>IT 4790</td>
<td>Internship in Information Technology</td>
</tr>
<tr>
<td>IT 5135</td>
<td>Data Analytics</td>
</tr>
<tr>
<td>MATH 2130</td>
<td>Discrete Mathematics</td>
</tr>
</tbody>
</table>

Electives 5

Elective hours cannot be IT, CSCI, nor CISM courses.

Total Credit Hours 124

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 Major Requirements.

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Information Technology B.I.T (Online)

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) 4 2
See eCore Curriculum for required courses in Area A through Area E.

Additional Requirements 4

Area F - Courses Appropriate to Major 18
COMM 1100 Human Communication 2
ITW 1130 Introduction to Information Technology
ITW 1330 Programming for Information Technology
Programming Sequence:
ITW 2430 Data Programming I
ITW 2431 Data Programming II
MATH 1401 Intro to Statistics 3

Major Requirements 33-37
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 4130 IT Issues and Management
ITW 4530 Senior Capstone Project
ITW 4790 Internship in Information Technology
MATH 1232 Survey of Calculus
or MATH 1441 Calculus I

Concentrations 12
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

CyberSecurity
ITW 3530 Fundamentals of Information Systems Security
ITW 3531 Digital and Computer Forensics
ITW 4336 Network Security
ITW 4337 Ethical Hacking

Elective Hours (a minimum of 6 credit hours must be upper division) 11-12
Total Credit Hours 124

1 Courses taught outside of the program may have equivalent course in eCore.
2 eCore
3 eCore Course Equivalent of STAT 1401

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

For more information contact eMajor@georgiasouthern.edu

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Cyber Security Minor

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.

Credit Hours

Minor Course Requirements 15
CRJU 5003 Cyber Forensics
or CRJU 5010 Applied Digital Forensics I
IT 2531 Introduction to Cyber Security
IT 3530 Fundamentals of Information Systems Security
IT 4336 Network Security
IT 4337 Ethical Hacking

Total Credit Hours 15

Contact

Dr. Yiming Ji, Chair, Department of Information Technology
IT Building 2120, PO Box 8150, Statesboro GA 30460
(912) 478-ITIT (4848)

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Information Technology Minor

Prerequisite

Required Prerequisite Course(s) 3
IT 1130 Introduction to Information Technology

Minor Program

Course Requirements 6
IT 1430 Web Page Development
IT 2333 IT Infrastructure
Select three of the following 9
CISM 3134 Enterprise Infrastructure and Security
IT 3132 Web Programming
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 500 miles. 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. They also assist faculty 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. 198)

#### 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)

<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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#### Area F - Courses Appropriate to Major

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<th>Area F</th>
<th>Courses</th>
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<tbody>
<tr>
<td>18</td>
<td></td>
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</table>

#### Specific Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>11</td>
</tr>
</tbody>
</table>

- Carryover from Area A2
- Carryover from Area D

#### Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>43</td>
</tr>
</tbody>
</table>

- ENGR 1133 Engineering Graphics
- MENG 1310 Manufacturing Processes Lab
Materials Processing:

- MENG 5138 Composite Materials: Manufacturing, Analysis, and Design
- MFG 5531 Advanced CNC Machining and Programming
- MFG 5532 Introduction to MEMS
- MFG 5534 Packaging
- MFG 5535 Nano Manufacturing
- MFG 5536 Characterization of Advanced Manufacturing Materials
- MFG 5537 Design for Environment and Green Manufacturing

SAP:

- CISM 3333 ERP Systems Using SAP
- CISM 4237 Business Intelligence
- CISM 4333 Human Resource Information Systems
- CISM 4335 Advanced Business Applications Programming (ABAP) for the SAP/ERP System
- CISM 4336 ERP and Enterprise Performance
- CISM 4434 Enterprise System Configuration
- CISM 4435 ERP Web Portal Customization and Collaboration using SAP NetWeaver

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 BSMfgE 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 BSMfgE 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 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 a successful graduate student. 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 coursework (including the 9 credits of graduate coursework 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Department of Mechanical Engineering

The Department of Mechanical Engineering offers students an applied, laboratory-oriented education in Mechanical Engineering. The Mechanical Engineering curriculum is theoretical, yet hands-on and career oriented. Students gain expertise and practical knowledge in Mechanical Engineering (MechE) in the major areas of mechanical devices and controls, robotics, environmental systems, mechanical design and analysis, material science and processing, renewable energy, and thermal-fluid energy sciences. The MechE program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. (http://www.abet.org/)

Students assist faculty 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. 200)

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>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42</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>CHEM 1310 Comprehensive General Chemistry</td>
<td></td>
</tr>
<tr>
<td>ENGR 1133 Engineering Graphics 3</td>
<td></td>
</tr>
<tr>
<td>MATH 2243 Calculus III</td>
<td></td>
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<tr>
<td>MATH 3230 Ordinary Differential Equations</td>
<td></td>
</tr>
<tr>
<td>PHYS 2212K Principles of Physics II</td>
<td></td>
</tr>
<tr>
<td>Specific Requirements</td>
<td>22</td>
</tr>
<tr>
<td>Carryover from Area A2 2</td>
<td></td>
</tr>
<tr>
<td>Carryover from Area D</td>
<td></td>
</tr>
<tr>
<td>ENGR 1121 Computing Applications in Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>ENGR 2131 Electronics and Circuit Analysis</td>
<td></td>
</tr>
<tr>
<td>ENGR 3431 Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>ENGR 2231 Engineering Mechanics I</td>
<td></td>
</tr>
<tr>
<td>ENGR 2232 Dynamics of Rigid Bodies</td>
<td></td>
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<tr>
<td>ENGR 3233 Mechanics of Materials</td>
<td></td>
</tr>
<tr>
<td>ENGR 3235 Fluid Mechanics</td>
<td></td>
</tr>
<tr>
<td>Major Requirements</td>
<td>35</td>
</tr>
<tr>
<td>ENGR 2112 Solid Modeling and Analysis</td>
<td></td>
</tr>
<tr>
<td>MENG 1310 Manufacturing Processes Lab</td>
<td></td>
</tr>
<tr>
<td>MENG 2110 Mechanical Engineering Case Studies in Design &amp; Analysis</td>
<td></td>
</tr>
<tr>
<td>MENG 2139 Numerical Methods in Engineering</td>
<td></td>
</tr>
<tr>
<td>MENG 3130 Mechanism Design</td>
<td></td>
</tr>
<tr>
<td>MENG 3135 Machine Design</td>
<td></td>
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<tr>
<td>MENG 3233 Heat Transfer</td>
<td></td>
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<tr>
<td>MENG 3331 Materials Science</td>
<td></td>
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<tr>
<td>MENG 3333 Materials Processing</td>
<td></td>
</tr>
<tr>
<td>MENG 3531 Introduction to Mechatronics</td>
<td></td>
</tr>
<tr>
<td>MENG 4210 Energy Science Laboratory</td>
<td></td>
</tr>
<tr>
<td>MENG 4430 Engineering Quality Control and Project Management</td>
<td></td>
</tr>
<tr>
<td>MENG 4612 Mechanical Engineering Senior Seminar</td>
<td></td>
</tr>
<tr>
<td>MENG 5136 Introduction to Finite Element Analysis</td>
<td></td>
</tr>
<tr>
<td>MENG 5137 Mechanical System Design</td>
<td></td>
</tr>
</tbody>
</table>

ME Technical Electives 6
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 5432</td>
<td>Programmable Logic Controllers with Lab</td>
</tr>
<tr>
<td>MENG 5090</td>
<td>Selected Topics in Mechanical Engineering</td>
</tr>
<tr>
<td>MENG 5134</td>
<td>Vehicle Dynamics</td>
</tr>
<tr>
<td>MENG 5135</td>
<td>Vibration and Preventive Maintenance</td>
</tr>
<tr>
<td>MENG 5138</td>
<td>Composite Materials: Manufacturing, Analysis, and Design</td>
</tr>
<tr>
<td>MENG 5139</td>
<td>Renewable Energy</td>
</tr>
<tr>
<td>MENG 5233</td>
<td>Wind Energy</td>
</tr>
<tr>
<td>MENG 5234</td>
<td>Heating, Ventilating, and Air Conditioning</td>
</tr>
<tr>
<td>MENG 5237</td>
<td>Applied Combustion</td>
</tr>
<tr>
<td>MENG 5238</td>
<td>Engine Development and Performance</td>
</tr>
<tr>
<td>MENG 5239</td>
<td>Biofuels Development and Testing</td>
</tr>
<tr>
<td>MENG 5331</td>
<td>Automation and Computer Integrated Manufacturing Systems</td>
</tr>
<tr>
<td>MENG 5333</td>
<td>Robot Dynamics, Design and Analysis</td>
</tr>
<tr>
<td>MENG 5431</td>
<td>Compressible Flow</td>
</tr>
<tr>
<td>MENG 5432</td>
<td>Applied Computational Fluid Dynamics</td>
</tr>
<tr>
<td>MENG 5433</td>
<td>Analysis of Energy Systems</td>
</tr>
<tr>
<td>MENG 5434</td>
<td>Heat Transfer Principles and Applications</td>
</tr>
<tr>
<td>MENG 5536</td>
<td>Mechanical Controls</td>
</tr>
<tr>
<td>MENG 5811</td>
<td>Introduction to Mechanical Engineering</td>
</tr>
<tr>
<td>MENG 5822</td>
<td>Research Project in Mechanical Engineering</td>
</tr>
<tr>
<td>MENG 5891</td>
<td>Special Problems in Mechanical Engineering</td>
</tr>
<tr>
<td>MFGE 5333</td>
<td>Additive Manufacturing Studio</td>
</tr>
<tr>
<td>TMAE 5139</td>
<td>Renewable Energy</td>
</tr>
<tr>
<td></td>
<td>or equivalent with program coordinator’s approval</td>
</tr>
</tbody>
</table>

Free Elective

- Select 3 credit hours of Free Electives

Total Credit Hours 130

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.

Honors In Mechanical Engineering Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1121</td>
<td>Computing Applications in Mechanical Engineering</td>
</tr>
<tr>
<td>ENGR 1133</td>
<td>Engineering Graphics</td>
</tr>
<tr>
<td>ENGR 2112</td>
<td>Solid Modeling and Analysis</td>
</tr>
<tr>
<td>ENGR 2231</td>
<td>Engineering Mechanics I</td>
</tr>
<tr>
<td>ENGR 3233</td>
<td>Mechanics of Materials</td>
</tr>
<tr>
<td>ENGR 3235</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>ENGR 3431</td>
<td>Thermodynamics</td>
</tr>
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<td>MENG 2139</td>
<td>Numerical Methods in Engineering</td>
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<td>MENG 3130</td>
<td>Mechanism Design</td>
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<td>MENG 3233</td>
<td>Heat Transfer</td>
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<tr>
<td>MENG 3333</td>
<td>Materials Processing</td>
</tr>
<tr>
<td>MENG 3521</td>
<td>Mechatronics Studio Laboratory</td>
</tr>
<tr>
<td>MENG 4210</td>
<td>Energy Science Laboratory</td>
</tr>
<tr>
<td>MENG 5811</td>
<td>Introduction to Mechanical Engineering Research and Projects (Mechanical Engineering Research)</td>
</tr>
<tr>
<td>MENG 5822</td>
<td>Research Project in Mechanical Engineering (Research Project in Mechanical Engineering)</td>
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<tr>
<td>MENG 5136</td>
<td>Introduction to Finite Element Analysis</td>
</tr>
<tr>
<td>MENG 5536</td>
<td>Mechanical Controls</td>
</tr>
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</table>

Total Credit Hours 43

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 count 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.

### Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

### REPP - Regents' Engineering Pathway Program

The Regents' Engineering Pathway (REP) Program provides a seamless pathway for students across Georgia to pursue degrees in a variety of engineering fields. Georgia Southern participates in the REP Program in two ways.

- Georgia Southern is a destination for students who have successfully completed approximately the first two years of the engineering curriculum at any partnering REP Program institution in the state, including Georgia Southern’s Statesboro and Armstrong campuses.

In addition, students must complete all of the REP Program required courses at their initial institution to be eligible for transfer under the REP Program.

- Georgia Southern is also an REP Program institution where students may begin their engineering education as entering freshmen with the objective of transferring to one of the four (4) other engineering degree granting institutions in Georgia (Georgia Tech, Kennesaw State University, Mercer University, and the University of Georgia) mainly to pursue an engineering degree not offered at Georgia Southern. This is especially important for students who may choose programs such as Biomolecular, Chemical, or Nuclear Engineering.

REP Program admission requirements for any USG institutions that offer engineering degrees differ by institution and program. Admissions requirements are determined individually by each institution and are subject to change. Students enrolled in Georgia Southern’s REP Program who wish to transfer to one of the other REP Program institutions to complete their engineering degree should maintain regular communication with the REP Program academic advisor to ensure they are aware of the current admission requirements for their destination institution. Students must apply to their destination institution prior to completing the REP Program requirements at Georgia Southern. Enrollment in the REP Program does not guarantee acceptance at another REP Program partnering institution.

### Program Contact Information

Dr. David Williams  
Associate Dean for Students and Curriculum  
IT Building Room 3400  
(912) 478-7412  
dwilliams@georgiasouthern.edu

### Programs

#### Majors

**No results were found.**

#### Minors

**No results were found.**

### 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 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.

**Advisement**

**Advisement**

**Campuses. Students are required to meet with their assigned Academic Advisors.** Academic Advisors are located on all three Georgia Southern University campuses.

**Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors.** Advisors are located on all three Georgia Southern University campuses.

**Contact Information**

**Georgia Southern University**

PO Box 7995

Statesboro, GA 30460

912-478-7412

**IT Building 3400**

Dr. David Williams, Associate Dean

**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. 204)
- Department of Health Sciences and Kinesiology (p. 213)
- Department of Rehabilitation Sciences (p. 229)
- School of Nursing (p. 231)

**Programs**

**Majors**

- Communication Sciences and Disorders B.S. (p. 230)
- Exercise Science B.S.K. (Concentration in Allied Health and Graduate School) (p. 214)
- Exercise Science B.S.K. (Concentration in Fitness and Wellness Management) (p. 215)
- Exercise Science B.S.K. (Concentration in Inclusive Physical Activity) (p. 216)
- Exercise Science B.S.K. (Concentration in Sport Performance) (p. 217)
- Exercise Science B.S.K. (Concentration in Tactical Strength and Conditioning) (p. 218)
- Health Sciences B.H.S. (Concentration in General Health Science) (p. 220)
- Health Sciences B.H.S. (Concentration in Health Informatics) (p. 221)
- Health Sciences B.H.S. (Concentration in Health Services Administration) (p. 222)
- Health Sciences B.H.S. (Concentration in Human Performance/Fitness Management) (p. 223)
- Health Sciences B.H.S. (Emphasis in Gerontology) (p. 224)
- Medical Laboratory Science B.S.M.L.S. (p. 205)
- Medical Laboratory Science B.S.M.L.S. (Online) (p. 205)
- Nursing Accelerated B.S.N. (p. 233)
- Nursing B.S.N. (p. 233)
- Nursing RN-BSN (p. 236)
- Nutrition and Food Science B.S. (Emphasis in Community Nutrition) (p. 224)
- Nutrition and Food Science B.S. (Emphasis in Dietetics) (p. 225)
- Nutrition and Food Science B.S. (Emphasis in Food Science/Food Systems Administration) (p. 227)

**Transfer Admission from Georgia Southern University to Another REP Program Institution**

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 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.

**Guards Mountain REP Program Coordinator**

Dr. David Williams, Associate Dean

IT Building 3400

PO Box 7995

Statesboro, GA 30460

912-478-7412

**Advisement**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
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, respiratory therapy, and medical imaging sciences. 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. 205)
- Medical Laboratory Science B.S.M.L.S. (Online) (p. 205)
- Radiologic Sciences B.S.R.S. (Bridge Program) (p. 206)
- Radiologic Sciences B.S.R.S. (Concentration in Cardiovascular/Interventional Science) (p. 207)
- Radiologic Sciences B.S.R.S. (Concentration in Diagnostic Medical Sonography) (p. 207)
- Radiologic Sciences B.S.R.S. (Concentration in Nuclear Medicine) (p. 208)
- Radiologic Sciences B.S.R.S. (Concentration in Radiation Therapy) (p. 209)
- Radiologic Sciences B.S.R.S. (Concentration in Radiography) (p. 209)
- Radiologic Sciences B.S.R.S. (Special Options Program) (p. 210)
- Rehabilitation Sciences B.S. (p. 231)
- Respiratory Therapy B.S. (p. 211)
- Respiratory Therapy B.S. (Online) (p. 212)
- Sport Management B.S. (p. 228)

Minors

- Coaching Minor (p. 214)
- Exercise Science Minor (p. 219)
- Health Informatics Minor (p. 220)
- Nutrition and Food Science Minor (p. 228)

Certificates

- Clinical Specialist in Advanced Imaging Certificate (p. 205)
- Gerontology Certificate (p. 219)
- Nuclear Medicine Certificate (p. 206)

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: Dr. Sara Plaspohl
Ashmore Hall 131
11935 Abercorn Street
Department #4073
Savannah, Georgia 31419
(912) 344-2565

Associate Dean: Dr. Stephen J. Rossi
Statesboro Campus:
Room 2123-B Hollis Building
P.O. Box 8073

Statesboro, Georgia 30460
(912) 478-5322

http://chp.georgiasouthern.edu/
Certificates

- Clinical Specialist in Advanced Imaging Certificate (p. 205)
- Nuclear Medicine Certificate (p. 206)

Dr. Laurie Adams, Interim Department Head
Georgia Southern University Armstrong Campus in Savannah

Ashmore Hall 103
Department #4901
11935 Abercom Street
Savannah, GA 31419

http://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

Clinical Specialist in Advanced Imaging Certificate

Contact
Program Coordinator, Department of Diagnostic and Therapeutic Sciences

Certificate Requirements: 18 Credit Hours

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
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<td>RADS 4176 Specialized Clinical Education</td>
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<tr>
<td>RADS 4410 Cross Sectional Anatomy</td>
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<tr>
<td>RDSC 4100 Advanced Imaging Modalities</td>
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</tbody>
</table>

Total Credit Hours 18

Advisement
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Medical Laboratory Science
B.S.M.L.S.

Degree Requirements: 124 Credit Hours

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

Traditional Track

<table>
<thead>
<tr>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>General Requirements (Core A – E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
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</table>

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 one time (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
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Medical Laboratory Science
B.S.M.L.S. (Online)

Degree Requirements: 124 Credit Hours

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

Career Ladder Program
Nuclear Medicine Certificate

Certificate Requirements: 29 Credit Hours

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<thead>
<tr>
<th>Course Code</th>
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<td>Prin &amp; Prac of Nuclear Med II</td>
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<td>RADS 3503</td>
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<td>Radio-Pharmacy &amp; Radiochem</td>
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<td>RADS 4540</td>
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<td>RADS 4574</td>
<td>Nuclear Medicine Inquiry</td>
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</table>

Total Credit Hours 29

Contact

Program Coordinator, Department of Diagnostic and Therapeutic Sciences

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

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 one time (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 fails 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

## Radiologic Sciences B.S.R.S. (Concentration in Cardiovascular/Interventional Science)

### Degree Requirements: 130 Credit Hours

<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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<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td></td>
<td>BIOL 2081 Human Anatomy and Physiology I</td>
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<td></td>
<td>BIOL 2082 Human Anatomy and Physiology II</td>
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</tr>
<tr>
<td></td>
<td>DDT 2001 Intro to Diag and Therap Scien</td>
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<td>DDT 2001L Intro to Diag &amp; Therap Sci Lab</td>
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<td>Select 3 credit hours from the following Guided Electives:</td>
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<tr>
<td></td>
<td>COMM 1110 Public Speaking</td>
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</table>

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
- PHSC 1211L Physical Science Laboratory
- PHYS 1111K Introductory Physics I

### Major Requirements: 66

- DDT 3001 Patient Care and Assessment
- DDT 3001L Patient Care & Assessment Lab
- DDT 4010 Research Methodologies
- DDT 4020 Management and Leadership
- HLPR 2000 Intro Research in Health Prof
- RADS 3001 Radiologic Sciences I
- RADS 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

## Radiologic Sciences B.S.R.S. (Concentration in Diagnostic Medical Sonography)

### Degree Requirements: 130 Hours

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

Select 3 credit hours from the following Guided Electives: |  |

Total Credit Hours: 130
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
### DDT 2001 Intro to Diag & Therap Scien
### DDT 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 |

| DDT 3001 Patient Care and Assessment |
| DDT 3001L Patient Care & Assessment Lab |
| DDT 4010 Research Methodologies |
| DDT 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 |

### Sonography Track  

|  
| 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 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
Other Program Requirements

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Radiologic Sciences B.S.R.S. (Concentration in Radiation Therapy)

Degree Requirements: 130 Credit Hours

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<td>RDSC 3002</td>
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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

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Radiologic Sciences B.S.R.S. (Concentration in Radiography)

Degree Requirements: 130 Hours

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<td>Radiation Therapy II</td>
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</tr>
<tr>
<td>RTHR 3003</td>
<td>Radiation Therapy III</td>
<td></td>
</tr>
<tr>
<td>RTHR 3100</td>
<td>Introduction to Radiography Clinical Education</td>
<td></td>
</tr>
<tr>
<td>RTHR 4101</td>
<td>Radiation Therapy Clinical Education I</td>
<td></td>
</tr>
<tr>
<td>RTHR 4102</td>
<td>Radiation Therapy Clinical Education II</td>
<td></td>
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<td>RTHR 4103</td>
<td>Radiation Therapy Clinical Education III</td>
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<tr>
<td>RTHR 4200</td>
<td>Radiation Therapy Synthesis</td>
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<tr>
<td>RADR 3001</td>
<td>Radiography I</td>
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<tr>
<td>RADR 3002</td>
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<td>RADR 3003</td>
<td>Radiography III</td>
<td></td>
</tr>
<tr>
<td>RADR 3100</td>
<td>Introduction to Radiography Clinical Education</td>
<td></td>
</tr>
</tbody>
</table>
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.

Credit Hours

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

Guided Electives: 1
Select three credit hours from the following:

- 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 and Physical Science Laboratory
- PHYS 1111K Introductory Physics I

Major Requirements 66

Choose one of the following areas:

- Radiation Therapy
  - DDTS 3001 Patient Care and Assessment

- Nuclear Medicine
  - 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

- Sonography
  - 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
Degree Requirements: 130 Credit Hours

Traditional Track

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Undergraduate Academic Advisement (p. 283) catalog page.

Respiratory Therapy B.S.

Traditional Track

Degree Requirements: 130 Credit Hours

See Core Curriculum for required courses in Area A 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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</thead>
<tbody>
<tr>
<td>4</td>
<td>Additional Requirements</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
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</tr>
<tr>
<td>1211</td>
<td>BIOL 1103 Concepts of Biology</td>
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<tr>
<td>1230</td>
<td>BIOL 2137 Lifespan Development</td>
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<tr>
<td>2010</td>
<td>HLPB 2000 Cult Ills Dsg &amp; Trtmnt</td>
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<tr>
<td>1211</td>
<td>Select one approved Elective</td>
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<tr>
<td>42</td>
<td>RESP 4130 Perinatal Care</td>
<td></td>
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<tr>
<td>42</td>
<td>RESP 4140 Cardiopulmonary Medicine</td>
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<tr>
<td>42</td>
<td>RESP 4154C Clinical Practicum IV</td>
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<tr>
<td>42</td>
<td>RESP 4215 Prof Issues in Resp Care</td>
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<td>42</td>
<td>RESP 4265C Clinical Internship</td>
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<tr>
<td>42</td>
<td>Related Field Courses</td>
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<tr>
<td>42</td>
<td>HLPR 2000 Intro Research in Health Prof</td>
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<td>42</td>
<td>RESP 3400 Cardiopulmonary Anat &amp; Phys</td>
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<tr>
<td>42</td>
<td>Additional Requirements</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Exit Exam</td>
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</tr>
</tbody>
</table>

Total Credit Hours 130

Program Admission Criteria

In order to be eligible for admission to the Respiratory Therapy program, a student must earn a minimum grade of ‘C’ in all science courses. No more than two science courses from Area D and/or Area F may be repeated more than twice. Transcript grades of ‘D’, ‘F’, or ‘WF’ are considered failing grades in the Respiratory Therapy program. Admission to Georgia Southern University does not guarantee admission to the respiratory therapy program. The department has a separate formal admissions process. Students are normally admitted to the professional component of the program in the Fall. The application deadline is March 1. Applications received after that date will be considered on a space available basis.

Admission to the major is made on a space available basis and is limited to the best qualified students as determined by the admissions committee. Meeting admission criteria does not constitute acceptance into the program. The maximum enrollment ceiling in the Respiratory Therapy Program is 22 students. Minimum admission criteria include completion of all core requirements for the major, an adjusted grade point average of 2.5, no grade less than C in courses related to area D or F of the core.

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
Degree Requirements: 130 Credit Hours

RRT Online Career-Ladder Program

Advisement

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Respiratory Therapy B.S. (Online)

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.

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.
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

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Department of Health Sciences and Kinesiology

The Department of Health Sciences and Kinesiology at Georgia Southern University promotes undergraduate (http://chp.georgiasouthern.edu/ hk/undergraduate/) and graduate (http://chp.georgiasouthern.edu/hk/ 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.

Programs

Majors

- Exercise Science B.S.K. (Concentration in Allied Health and Graduate School) (p. 214)
- Exercise Science B.S.K. (Concentration in Fitness and Wellness Management) (p. 215)
- Exercise Science B.S.K. (Concentration in Inclusive Physical Activity) (p. 216)
- Exercise Science B.S.K. (Concentration in Sport Performance) (p. 217)
- Exercise Science B.S.K. (Concentration in Tactical Strength and Conditioning) (p. 218)
- Health Sciences B.H.S. (Concentration in General Health Science) (p. 220)
- Health Sciences B.H.S. (Concentration in Health Informatics) (p. 221)
- Health Sciences B.H.S. (Concentration in Health Services Administration) (p. 222)
- Health Sciences B.H.S. (Concentration in Human Performance/Fitness Management) (p. 223)
- Health Sciences B.H.S. (Emphasis in Gerontology) (p. 224)
- Nutrition and Food Science B.S. (Emphasis in Community Nutrition) (p. 224)
- Nutrition and Food Science B.S. (Emphasis in Dietetics) (p. 225)
- Nutrition and Food Science B.S. (Emphasis in Food Science/Food Systems Administration) (p. 227)
- Sport Management B.S. (p. 228)

Minors

- Coaching Minor (p. 214)
- Exercise Science Minor (p. 219)
- Health Informatics Minor (p. 220)
- Nutrition and Food Science Minor (p. 228)

Certificates

- Gerontology Certificate (p. 219)

Dr. John Dobson, Interim Department Chair & Associate Professor
Office: Statesboro Campus-Hollis Building
Phone: (912) 478-0200
Coaching Minor

Minor Program

<table>
<thead>
<tr>
<th>Minor Course Requirements</th>
<th>Credit Hours</th>
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<tr>
<td>KINS 3430 Principles of Coaching</td>
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<tr>
<td>KINS 3431 Psychology of Coaching</td>
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</tr>
<tr>
<td>KINS 4420 Sport Conditioning Laboratory</td>
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<tr>
<td>KINS 4730 Coaching Practicum</td>
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<tr>
<td>Select two of the following:</td>
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<tr>
<td>KINS 3426 Coaching Baseball and Softball</td>
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</tr>
<tr>
<td>KINS 3427 Coaching Basketball</td>
<td>1</td>
</tr>
<tr>
<td>KINS 3428 Coaching Football</td>
<td>1</td>
</tr>
<tr>
<td>KINS 3429 Coaching Olympic Sports</td>
<td>1</td>
</tr>
<tr>
<td>KINS 4421 Principles of Officiating</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Advisement

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Exercise Science B.S.K. (Concentration in Allied Health and Graduate School)

Degree Requirements: 124 Credit Hours

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

General Requirements (Core A - E) 1 42

Additional Requirements 4

Area F - Courses Appropriate to Major 2, 3 18

| KINS 2511 Human Anatomy and Physiology I Laboratory | 1 |
| KINS 2512 Human Anatomy and Physiology II Laboratory | 1 |
| KINS 2531 Human Anatomy and Physiology I | 1 |
| KINS 2532 Human Anatomy and Physiology II | 1 |
| KINS 2535 Introduction to Exercise Science | 1 |
| MATH 1112 College Trigonometry 1 | 1 |
| PHYS 1111K Introductory Physics I | 1 |

Major Requirements 28

| KINS 3130 Research Methods in Kinesiology | 1 |
| KINS 3132 Foundations of Exercise and Sport Psychology | 1 |
| KINS 3230 Motor Control, Coordination, and Skill | 1 |
| KINS 3541 Structural Kinesiology | 1 |
| KINS 3542 Physiological Aspects of Exercise | 1 |
| KINS 3543 Biomechanical Analysis of Movement | 1 |
| KINS 4130 Administrative Principles in Kinesiology | 1 |
| KINS 4231 Fitness Evaluation and Exercise Prescription | 1 |

Allied Health and Graduate School Concentration 32

The Allied Health and Graduate School Concentration 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 overall GPA or higher is required to stay in this concentration area.

Select from the following courses, depending upon graduate school requirements, to add up to 32 hours.

| ANTH 1102 Introduction to Anthropology | 1 |
| BCHM 3200 Principles of Biochemistry | 1 |
| BIOL 1107 Principles of Biology I | 1 |
| BIOL 1107L Principles of Biology I Laboratory | 1 |
| BIOL 1108 Principles of Biology II | 1 |
| BIOL 1108L Principles of Biology Laboratory II | 1 |
| BIOL 2240 Microbiology | 1 |
| BIOL 2275 Microorganisms and Disease | 1 |
| BIOL 4130 Genetics | 1 |
| CHEM 1211 Principles of Chemistry I | 1 |
| CHEM 1212 Principles of Chemistry II | 1 |
| CHEM 3401 Organic Chemistry I | 1 |
| CHEM 3402 Organic Chemistry II | 1 |
| CHFD 2137 Lifespan Development | 1 |
| COMM 1110 Public Speaking | 1 |
| HLPR 2130 Medical Terminology | 1 |
| KINS 2335 Intro to Athletic Training | 1 |
| KINS 2533 Pathophysiology | 1 |
| KINS 3435 Motor Learning and Development | 1 |
| KINS 3531 Adapted Physical Activity | 1 |
| MATH 1441 Calculus I | 1 |
| NTFS 2530 Nutrition and Health | 1 |
| PHIL 2010 Introduction to Philosophy | 1 |
| PHIL 2030 Introduction to Ethics | 1 |
| PHYS 1112K Introductory Physics II | 1 |
| PHYS 2211K Principles of Physics I | 1 |
| PHYS 2212K Principles of Physics II | 1 |
| PSYC 3101 Abnormal Psychology | 1 |
| PSYC 3103 Lifespan Developmental Psychology | 1 |
| PSYC 3105 Physiological Psychology | 1 |
| RELS 2130 Introduction to Religious Studies | 1 |
| SOCI 1101 Introduction to Sociology | 1 |
| STAT 1401 Elementary Statistics | 1 |

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.
Exercise Science B.S.K.  
(Concentration in Fitness and Wellness Management)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<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 2535</td>
<td>Introduction to Exercise Science</td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
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Major Requirements  
Credit Hours: 28

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<tr>
<th>Course</th>
<th>Title</th>
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<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>

Concentration in Fitness and Wellness Management  
Credit Hours: 32

The concentration 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>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>HSCF 3710</td>
<td>Worksite Wellness and Safety</td>
</tr>
<tr>
<td>HSCF 4020</td>
<td>Health and Fitness Entrepreneurship</td>
</tr>
<tr>
<td>HSCF 4030</td>
<td>Health/Fitness Management</td>
</tr>
<tr>
<td>KINS 3435</td>
<td>Motor Learning and Development</td>
</tr>
<tr>
<td>KINS 3438</td>
<td>Principles of Personal Training</td>
</tr>
<tr>
<td>KINS 4799</td>
<td>Internship in Exercise Science</td>
</tr>
<tr>
<td>NTFS 2530</td>
<td>Nutrition and Health</td>
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</tbody>
</table>

Select up to 6 hours of the following:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HSCF 4000</td>
<td>Indep Study In Health Science (Health/Fitness Sales and Marketing)</td>
</tr>
<tr>
<td>KINS 3531</td>
<td>Adapted Physical Activity</td>
</tr>
<tr>
<td>KINS 3535</td>
<td>Principles of Group Fitness Instruction</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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 1211K</td>
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<tr>
<td>CHEM 1212K</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1101</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 concentration area.

Advisement

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Exercise Science B.S.K.
(Concentration in Inclusive Physical Activity)

Degree Requirements: 124 Hours

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

General Requirements (Core A - E) 42 Credit Hours

Additional Requirements 4 Credit Hours

Area F - Courses Appropriate to Major 18 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2535</td>
<td>Introduction to Exercise Science</td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
</tr>
</tbody>
</table>

Major Requirements 28 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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 Concentration 32 Credit Hours

The Inclusive Physical Activity Concentration 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>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3438</td>
<td>Principles of Personal Training</td>
</tr>
<tr>
<td>KINS 3531</td>
<td>Adapted Physical Activity</td>
</tr>
<tr>
<td>KINS 4533</td>
<td>Health and Physical Activity Promotion for Exceptional Youth</td>
</tr>
<tr>
<td>KINS 4799</td>
<td>Internship in Exercise Science</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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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.
- 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:

- CHEM 1211K Principles of Chemistry I 4
- CHEM 1212K Principles of Chemistry II 4
- PSYC 1101 Introduction to Psychology 3

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected concentration area.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Exercise Science B.S.K. (Concentration in Sport 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 A - E) 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>4</td>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
</tr>
<tr>
<td>18</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>KINS 2535 Introduction to Exercise Science</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>28</td>
<td>KINS 3130 Research Methods in Kinesiology</td>
</tr>
<tr>
<td></td>
<td>KINS 3132 Foundations of Exercise and Sport Psychology</td>
</tr>
<tr>
<td></td>
<td>KINS 3230 Motor Control, Coordination, and Skill</td>
</tr>
<tr>
<td></td>
<td>KINS 3541 Structural Kinesiology</td>
</tr>
<tr>
<td></td>
<td>KINS 3542 Physiological Aspects of Exercise</td>
</tr>
<tr>
<td></td>
<td>KINS 3543 Biomechanical Analysis of Movement</td>
</tr>
<tr>
<td></td>
<td>KINS 4130 Administrative Principles in Kinesiology</td>
</tr>
<tr>
<td></td>
<td>KINS 4231 Fitness Evaluation and Exercise Prescription</td>
</tr>
<tr>
<td>32</td>
<td>KINS 3426 Principles of Coaching</td>
</tr>
<tr>
<td></td>
<td>KINS 3431 Psychology of Coaching</td>
</tr>
<tr>
<td></td>
<td>KINS 3435 Motor Learning and Development</td>
</tr>
<tr>
<td></td>
<td>KINS 4420 Sport Conditioning Laboratory</td>
</tr>
<tr>
<td></td>
<td>KINS 4423 Scientific Principles of Strength and Conditioning</td>
</tr>
<tr>
<td></td>
<td>KINS 4799 Internship in Exercise Science 4</td>
</tr>
<tr>
<td></td>
<td>NTFS 2530 Nutrition and Health</td>
</tr>
<tr>
<td></td>
<td>NTFS 3630 Sports Nutrition</td>
</tr>
<tr>
<td></td>
<td>KINS 3426 Coaching Baseball and Softball</td>
</tr>
<tr>
<td></td>
<td>KINS 3427 Coaching Basketball</td>
</tr>
<tr>
<td></td>
<td>KINS 3428 Coaching Football</td>
</tr>
</tbody>
</table>

1 See Core Curriculum for required courses in area A1 through Area E.
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). All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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:

- CHEM 1211K Principles of Chemistry I (4)
- CHEM 1212K Principles of Chemistry II (4)
- PSYC 1101 Introduction to Psychology (3)

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected concentration area.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Exercise Science B.S.K. (Concentration in Tactical Strength and Conditioning)

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>42</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

| KINS 2511 Human Anatomy and Physiology I Laboratory | 4 |
| KINS 2512 Human Anatomy and Physiology II Laboratory | |
| KINS 2531 Human Anatomy and Physiology I | |
| KINS 2532 Human Anatomy and Physiology II | |
| KINS 2535 Introduction to Exercise Science | |
| MATH 1112 College Trigonometry | |
| PHYS 1111K Introductory Physics I | |

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td></td>
</tr>
</tbody>
</table>

| KINS 3130 Research Methods in Kinesiology | 4 |
| KINS 3132 Foundations of Exercise and Sport Psychology | |
| KINS 3230 Motor Control, Coordination, and Skill | |
| KINS 3541 Structural Kinesiology | |
| KINS 3542 Physiological Aspects of Exercise | |
| KINS 3543 Biomechanical Analysis of Movement | |
| KINS 4130 Administrative Aspects of Kinesiology | |
| KINS 4231 Fitness Evaluation and Exercise Prescription | |

<table>
<thead>
<tr>
<th>Tactical Strength and Conditioning Concentration</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td></td>
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</tbody>
</table>


<table>
<thead>
<tr>
<th>Total Credit Hours</th>
<th>124</th>
</tr>
</thead>
</table>
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Exercise Science Minor

The Exercise Science Minor is open to any student interested in exercise science.

Prerequisites

<table>
<thead>
<tr>
<th>Required Prerequisite Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must earn a minimum grade of &quot;C&quot; in the following:</td>
<td>15</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>PHYS 1111K Introductory Physics I</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

Minor Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3132 Foundations of Exercise and Sport Psychology</td>
<td></td>
</tr>
<tr>
<td>KINS 3230 Motor Control, Coordination, and Skill or KINS 4231 Fitness Evaluation and Exercise Prescription</td>
<td></td>
</tr>
<tr>
<td>KINS 3541 Structural Kinesiology</td>
<td></td>
</tr>
<tr>
<td>KINS 3542 Physiological Aspects of Exercise</td>
<td></td>
</tr>
<tr>
<td>KINS 3543 Biomechanical Analysis of Movement</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

Contact

Chair, Department of Health Sciences and Kinesiology
Hollis Building, Room 2115
(912) 478-0200

Advisement

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Gerontology Certificate

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.
Health Informatics Minor

Minor Program Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HITC  3000</td>
<td>Introduction to Health Informatics</td>
</tr>
<tr>
<td>HITC  4100</td>
<td>Analysis of Healthcare Data</td>
</tr>
<tr>
<td>HITC  4700</td>
<td>Introduction to Project Management</td>
</tr>
<tr>
<td>HITC  4750</td>
<td>Principles of Knowledge Management and Decision Support</td>
</tr>
</tbody>
</table>

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSCA  4655</td>
<td>Principles of Health Insurance and Reimbursement</td>
</tr>
<tr>
<td>HSCA  4660</td>
<td>Survey of Health Outcomes</td>
</tr>
</tbody>
</table>

Advisement

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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.

Credit Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
<td>42</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>HLPR 2010 Cult Illns Disg &amp; Trtmnt</td>
<td></td>
</tr>
<tr>
<td>HLPR 2130 Medical Terminology</td>
<td></td>
</tr>
<tr>
<td>HSCC 2200 Health Communication</td>
<td></td>
</tr>
<tr>
<td>HSCC 2300 Management of Health Information</td>
<td></td>
</tr>
<tr>
<td>HSCP 2050 Introduction to the Disease Continuum</td>
<td></td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics (If not taken in Area D)</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>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCI 1101 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>Major Requirements</td>
<td>21</td>
</tr>
<tr>
<td>GERO 5500 Survey of Gerontology</td>
<td></td>
</tr>
<tr>
<td>HLPR 3200 Interprofessional Teams in Healthcare Organizations</td>
<td></td>
</tr>
<tr>
<td>HSCC 3000 Special Topics in Health Science</td>
<td></td>
</tr>
<tr>
<td>HSCC 3100 Research Methods</td>
<td></td>
</tr>
<tr>
<td>HSCC 4020 Seminar in Professional Issues</td>
<td></td>
</tr>
<tr>
<td>HSCG 4130 Nutrition</td>
<td></td>
</tr>
<tr>
<td>HSCP 3750 Population Health Sciences</td>
<td></td>
</tr>
<tr>
<td>Related Course Requirements</td>
<td>18</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td></td>
</tr>
<tr>
<td>HSCA 4620 Prin Of Man/Health Srvs Admin</td>
<td></td>
</tr>
<tr>
<td>HSCC 2500 Health Issues and Resources</td>
<td></td>
</tr>
<tr>
<td>Health Informatics</td>
<td></td>
</tr>
<tr>
<td>HITC 3000 Introduction to Health Informatics</td>
<td></td>
</tr>
<tr>
<td>HSCA 4660 Survey of Health Outcomes</td>
<td></td>
</tr>
<tr>
<td>Human Performance/Fitness Management</td>
<td></td>
</tr>
<tr>
<td>HSCF 3710 Worksite Wellness and Safety</td>
<td></td>
</tr>
<tr>
<td>SMED 5555 Physical Activity in Disease Prevention/Treatment</td>
<td></td>
</tr>
</tbody>
</table>
Guided Electives

Select 21 credit hours of Guided Electives from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
</tr>
<tr>
<td>BIOL 2081</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL 2082</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>BIOL 2240</td>
<td>Microbiology</td>
</tr>
<tr>
<td>BIOL 2275</td>
<td>Microorganisms and Disease</td>
</tr>
<tr>
<td>CHEM 1211</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1212</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>CHEM 2400</td>
<td>Fundamentals of Organic Chemistry</td>
</tr>
<tr>
<td></td>
<td>and Biochemistry</td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>DCTS 2001</td>
<td>Intro to Diag and Therap Scien (with labs)</td>
</tr>
<tr>
<td>GER 5510</td>
<td>Healthy Aging</td>
</tr>
<tr>
<td>HIT 4100</td>
<td>Analysis of Healthcare Data</td>
</tr>
<tr>
<td>HITC 4700</td>
<td>Introduction to Project Management</td>
</tr>
<tr>
<td>HITC 4750</td>
<td>Principles of Knowledge Management</td>
</tr>
<tr>
<td></td>
<td>and Decision Support</td>
</tr>
<tr>
<td>HLPR 2000</td>
<td>Intro Research in Health Prof</td>
</tr>
<tr>
<td>HSCA 3600</td>
<td>Financial Management for Health-</td>
</tr>
<tr>
<td></td>
<td>Related Organizations</td>
</tr>
<tr>
<td>HSCA 4201</td>
<td>Health Care Marketing</td>
</tr>
<tr>
<td>HSCA 4600</td>
<td>Prin Of Human Resources Manage</td>
</tr>
<tr>
<td>HSCA 4610</td>
<td>Health Care Economics</td>
</tr>
<tr>
<td>HSCA 4630</td>
<td>Health Information Systems</td>
</tr>
<tr>
<td>HSCA 4655</td>
<td>Principles of Health Insurance and</td>
</tr>
<tr>
<td></td>
<td>Reimbursement</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Legal Iss In Hth Care Environ</td>
</tr>
<tr>
<td>HSCC 3130</td>
<td>Health Policy Issues</td>
</tr>
<tr>
<td>HSCC 3140</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>HSCC 3760</td>
<td>Environmental and Community Health</td>
</tr>
<tr>
<td></td>
<td>Issues</td>
</tr>
<tr>
<td>HSCC 4005</td>
<td>Interprofessional Patient Advocacy</td>
</tr>
<tr>
<td></td>
<td>Internship</td>
</tr>
<tr>
<td>HSCC 4950</td>
<td>Practicum</td>
</tr>
<tr>
<td>HSCF 4030</td>
<td>Health/Fitness Management</td>
</tr>
<tr>
<td>HSCG 4131</td>
<td>Introduction to International Health</td>
</tr>
<tr>
<td>HSCG 4132</td>
<td>Strategies for the Prevention of</td>
</tr>
<tr>
<td></td>
<td>Chemical Dependency</td>
</tr>
<tr>
<td>HSCG 4133</td>
<td>Women and Minority Health Issues</td>
</tr>
<tr>
<td>HSCG 4134</td>
<td>Health and Sexuality</td>
</tr>
<tr>
<td>HSCF 4020</td>
<td>Health and Fitness Entrepreneurship</td>
</tr>
<tr>
<td>HSCF 4030</td>
<td>Health/Fitness Management</td>
</tr>
<tr>
<td>HSCP 2000</td>
<td>Ethical Theories/Moral Issues in</td>
</tr>
<tr>
<td></td>
<td>Health</td>
</tr>
<tr>
<td>HSCP 3710</td>
<td>Worksite Wellness And Safety</td>
</tr>
<tr>
<td>HSCP 4000</td>
<td>Indep Study In Health Science</td>
</tr>
<tr>
<td>HSCP 4010</td>
<td>Health and Human Development</td>
</tr>
<tr>
<td>KINS 2533</td>
<td>Pathophysiology</td>
</tr>
<tr>
<td>MATH 1001</td>
<td>Quantitative Reasoning</td>
</tr>
<tr>
<td>MATH 1111</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics</td>
</tr>
<tr>
<td>MHS 5800</td>
<td>Comparative Health Care System (with labs)</td>
</tr>
<tr>
<td>PHSC 1211</td>
<td>Physical Science (with labs)</td>
</tr>
<tr>
<td>PSYC 3338</td>
<td>Leadership and Group Dynamics</td>
</tr>
<tr>
<td>PSYC 3234</td>
<td>Industrial/Organizational Psychology</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 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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.
Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HITT</td>
<td>3000 Introduction to Health Informatics</td>
</tr>
<tr>
<td>HSCC</td>
<td>2300 Management of Health Information</td>
</tr>
<tr>
<td>HSCC</td>
<td>2500 Health Issues and Resources</td>
</tr>
<tr>
<td>HSCC</td>
<td>3110 Legal Issues In Hlth Care Environ</td>
</tr>
<tr>
<td>HSCC</td>
<td>3140 Epidemiology</td>
</tr>
</tbody>
</table>

Related Concentration Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HITT</td>
<td>4100 Analysis of Healthcare Data</td>
</tr>
<tr>
<td>HITT</td>
<td>4700 Introduction to Project Management</td>
</tr>
<tr>
<td>HITT</td>
<td>4750 Principles of Knowledge Management and Decision Support</td>
</tr>
<tr>
<td>HITT</td>
<td>4800 Special Topics in Health Informatics</td>
</tr>
<tr>
<td>HITT</td>
<td>4900 Internship</td>
</tr>
<tr>
<td>HSCA</td>
<td>4620 Prin Of Man/Health Srvs Admin</td>
</tr>
<tr>
<td>HSCA</td>
<td>4655 Principles of Health Insurance and Reimbursement</td>
</tr>
<tr>
<td>HSCA</td>
<td>4660 Survey of Health Outcomes</td>
</tr>
<tr>
<td>HSCC</td>
<td>3100 Research Methods</td>
</tr>
<tr>
<td>HSCC</td>
<td>4005 Interprofessional Patient Advocacy Internship</td>
</tr>
<tr>
<td>IT</td>
<td>3233 Database Design and Implementation</td>
</tr>
<tr>
<td>IT</td>
<td>3234 Systems Acquisition, Design, and Implementation</td>
</tr>
<tr>
<td>WRIT</td>
<td>3220 Introduction to Professional and Technical Writing</td>
</tr>
</tbody>
</table>

Guided Electives

Select 3 credit hours of Guided Electives:

- CRJU 5003 Cyber Forensics
- HSCC 3130 Health Policy Issues
- HSCC 4020 Seminar in Professional Issues
- HSCP 2000 Ethical Theories/Moral Issues in Health
- HSCP 3750 Population Health Sciences
- HSCP 4000 Indep Study In Health Science
- IT 1430 Web Page Development
- IT 2431 Data Programming II
- IT 3530 Fundamentals of Information Systems

Total Credit Hours 124

1 Select the following course if IT 2531 or MATH 1401 has been taken in Area D.

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 the 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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>Area</th>
<th>Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area F</td>
<td>Courses</td>
<td></td>
</tr>
</tbody>
</table>

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses 18

Major Requirements 12

Related Concentration Requirements 48

GERO 5500 Survey of Gerontology
HLPR 3200 Interprofessional Teams in Healthcare Organizations
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 4620 Prin Of Man/Health Srvs Admin
HSCA 4630 Health Information Systems
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
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

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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.

| General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Total Credit Hours | 46 |

Area F - Courses Appropriate to Major 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HLPR 2010</td>
<td>Cult Illns Disg &amp; Trtmt</td>
</tr>
<tr>
<td>HLPR 2130</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSCC 2300</td>
<td>Management of Health Information</td>
</tr>
<tr>
<td>HSCC 2500</td>
<td>Health Issues &amp; Resources</td>
</tr>
<tr>
<td>HSCP 2050</td>
<td>Introduction to the Disease Continuum</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>ANTH 1102</td>
<td>Introduction to Anthropology</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>HLPR 3200</td>
<td>Interprofessional Teams in Healthcare Organizations</td>
</tr>
<tr>
<td>HSCC 3000</td>
<td>Special Topics in Health Science</td>
</tr>
<tr>
<td>HSCC 3100</td>
<td>Research Methods</td>
</tr>
<tr>
<td>HSCC 4020</td>
<td>Seminar in Professional Issues</td>
</tr>
<tr>
<td>HSCG 4130</td>
<td>Nutrition</td>
</tr>
<tr>
<td>HSCP 3750</td>
<td>Population Health Sciences</td>
</tr>
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<td>Related Emphasis Requirements</td>
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<td>Total Credit Hours</td>
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</tr>
</tbody>
</table>

Nutrition and Food Science B.S. (Emphasis in Community Nutrition)

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 |
| Total Credit Hours | 60 |

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</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>NTFS 2534</td>
<td>Introductory Food Science</td>
</tr>
</tbody>
</table>

| Major Requirements | 60 |
| Nutritional and Food Science Core |
| BIOL 2240 | Microbiology |
Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>ACCT 2030</td>
</tr>
<tr>
<td>CHEM 1212K</td>
</tr>
<tr>
<td>NTFS 2534</td>
</tr>
<tr>
<td>KINS 2531</td>
</tr>
<tr>
<td>KINS 2511</td>
</tr>
<tr>
<td>KINS 2532</td>
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<td>KINS 2512</td>
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<td>CHEM 3401</td>
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<td>CHEM 3402</td>
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<td>BCHM 3200</td>
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<td>HLTH 2510</td>
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<td>NTFS 2514</td>
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<td>NTFS 2515</td>
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<tr>
<td>NTFS 3534</td>
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<td>NTFS 3535</td>
</tr>
<tr>
<td>NTFS 3536</td>
</tr>
<tr>
<td>NTFS 4536</td>
</tr>
<tr>
<td>Dietetics Emphasis</td>
</tr>
<tr>
<td>KINS 2533</td>
</tr>
<tr>
<td>NTFS 3537</td>
</tr>
<tr>
<td>NTFS 3538</td>
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<tr>
<td>NTFS 3730</td>
</tr>
<tr>
<td>NTFS 4534</td>
</tr>
<tr>
<td>NTFS 4535</td>
</tr>
<tr>
<td>NTFS 4537</td>
</tr>
<tr>
<td>NTFS 4538</td>
</tr>
<tr>
<td>NTFS 4611</td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2531 &amp; KINS 2511</td>
</tr>
<tr>
<td>KINS 2532 &amp; KINS 2512</td>
</tr>
</tbody>
</table>

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.
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.
• 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

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.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 2514</td>
<td>and Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 2534</td>
<td>Professional Practice Strategies</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 3534</td>
<td>Introductory Food Science</td>
</tr>
<tr>
<td>3</td>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>4</td>
<td>&amp; KINS 2511</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>3</td>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>4</td>
<td>NTFS 2514</td>
<td>Professional Practice Strategies</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 2534</td>
<td>Introductory Food Science</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 3534</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>3</td>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 124 |

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>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>3</td>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 2514</td>
<td>and Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 2534</td>
<td>Professional Practice Strategies</td>
</tr>
<tr>
<td>3</td>
<td>NTFS 3534</td>
<td>Introductory Food Science</td>
</tr>
<tr>
<td>3</td>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>3</td>
<td>&amp; KINS 2511</td>
<td>Human Nutrition</td>
</tr>
</tbody>
</table>

| Total Credit Hours | 124 |

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. All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 283) catalog page.

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.

| Credit Hours | General Requirements  
|--------------|---------------------------------------------------------------|
| 42 | (Core A - E)  
| 4 | Additional Requirements  
| 18 | Area F - Courses Appropriate to Major  
| ACCT 2030 | Survey of Accounting  
| CHEM 1212K | Principles of Chemistry II  
| 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 2534 | Introductory Food Science  
| Nutrition and Food Science Core | 60  
| BCHM 3200 | Principles of Biochemistry  
| BIOL 2240 | Microbiology  
| CHEM 3401 | Organic Chemistry I  
| CHEM 3402 | Organic Chemistry II  
| HLTH 2510 | Medical Terminology  
| NTFS 2514 | Professional Practice Strategies  
| NTFS 2515 | Professional Etiquette  
| NTFS 3534 | Human Nutrition  
| NTFS 3535 | Life Cycle Nutrition  
| NTFS 3536 | Meal Management  
| NTFS 4536 | Metabolic Nutrition  
| ECON 2106 | Principles of Microeconomics  
| MKTG 3131 | Principles of Marketing  
| NTFS 3537 | Advanced Food Science  
| NTFS 3538 | Quantity Food Systems Administration  
| NTFS 3730 | Quantity Food Practicum  
| NTFS 4533 | Applied Nutrition Therapy  
| NTFS 4537 | Experimental Food Science  
| NTFS 4610 | Nutrition and Food Science Senior Seminar  
| 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  
| MGMT 3334 | Human Resource Management  
| MGMT 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
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Nutrition and Food Science Minor

Minor Program

<table>
<thead>
<tr>
<th>Minor Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTFS 2534 Introductory Food Science</td>
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</tr>
<tr>
<td>NTFS 2530 Nutrition and Health</td>
<td>3</td>
</tr>
<tr>
<td>Select three of the following:</td>
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<tr>
<td>NTFS 3535 Life Cycle Nutrition</td>
<td>1</td>
</tr>
<tr>
<td>NTFS 3630 Sports Nutrition</td>
<td>1</td>
</tr>
<tr>
<td>NTFS 3631 Sustainable Foods</td>
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<tr>
<td>NTFS 4533 Applied Nutrition Therapy</td>
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<tr>
<td>NTFS 4535 Community Nutrition</td>
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<tr>
<td>NTFS 4630 Cultural Foods</td>
<td>1</td>
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<tr>
<td>NTFS 4899 Directed Individual Study</td>
<td>1</td>
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</tbody>
</table>

Total Credit Hours 15

The Nutrition and Food Science Minor is open to any student interested in Nutrition and Food Science.

Contact
Dr. John Dobson, Interim Chair, Department of Health Sciences and Kinesiology Statesboro Campus, Hollis Building, Room 2115 (912) 478-0200

Advisement
Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Sport Management 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 A - E) 42</td>
</tr>
<tr>
<td>Additional Requirements 4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major 18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030 Survey of Accounting</td>
</tr>
<tr>
<td>CISM 2530 Advanced Business Applications</td>
</tr>
<tr>
<td>COMM 1110 Public Speaking</td>
</tr>
<tr>
<td>ECON 2105 Principles of Macroeconomics</td>
</tr>
<tr>
<td>SMGT 2130 Introduction to Sport Management</td>
</tr>
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</table>

| STAT 1401 Elementary Statistics |

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<th>Major Requirements</th>
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<tbody>
<tr>
<td>SMGT 2230 Social Issues of Sport</td>
</tr>
<tr>
<td>SMGT 3236 Financial Management of Sport</td>
</tr>
<tr>
<td>SMGT 3238 Management of Sport Organizations</td>
</tr>
<tr>
<td>SMGT 3735 Sport Management Practicum (Proposed Course - SMGT Practicum)</td>
</tr>
<tr>
<td>SMGT 4330 Facility and Event Management</td>
</tr>
<tr>
<td>SMGT 4337 Legal Aspects of Sport</td>
</tr>
<tr>
<td>SMGT 4735 Sport Management Internship</td>
</tr>
</tbody>
</table>

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 |
| SMGT 4531 Data Driven Sales in Sport Organizations |
| SMGT 4533 Sport Ticket and Sponsorship Sales |

Guided Electives (6 credit hours)

| Sport Development Concentration |
| SMGT 3530 Principles of Sport Development |
| SMGT 3532 Leadership and Programming in Sport Development |
| SMGT 4338 Sport Policy Development |
| SMGT 4532 Assessment and Evaluation in Sport Development |

Guided Electives (6 credit hours)

| Athletic Administration Concentration |
| Choose two courses from SMGT 3330, 3531, 3533, 4531, 4533 |
| Choose two courses from SMGT 3530, 3532, 3533, 4338, 4532 |

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 |
| FINC 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 |
| MGMT 3130 Principles of Management |
| MGMT 3134 Behavior in Organizations |
| MGMT 3234 Fundamentals of Entrepreneurship |
| HONS 4610 Honors Research Seminar |
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.

Program Progression Requirements

- Students must earn minimum grade of “C” in all Area F courses and within the major requirements, including guided electives.

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

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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-labs/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. 230)
- Rehabilitation Sciences B.S. (p. 231)
Minors
No results were found.

Certificates
• Tactical Athlete Certificate (p. 231)

Dr. Walter Jenkins, Department Head
Georgia Southern University Armstrong Campus in Savannah
Department #4902
11935 Abercorn Street Savannah, GA 31419

http://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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1151K</td>
<td>Survey of Chemistry I</td>
</tr>
<tr>
<td>CSDS 1220</td>
<td>Intro To Comm Disorders</td>
</tr>
<tr>
<td>CSDS 2220</td>
<td>Communication and Deafness</td>
</tr>
<tr>
<td>HPR 2000</td>
<td>Intro Research in Health Prof</td>
</tr>
<tr>
<td>HSCC 2200</td>
<td>Health Communication</td>
</tr>
<tr>
<td>HSCC 2500</td>
<td>Health Issues and Resources</td>
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Major Requirements 36

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CSDS 2230</td>
<td>Anat/Phys Speech/Hearing Mech</td>
</tr>
<tr>
<td>CSDS 2240</td>
<td>Normal Speech/Lang Development</td>
</tr>
<tr>
<td>CSDS 2250</td>
<td>Phonetics</td>
</tr>
<tr>
<td>CSDS 3400</td>
<td>Speech Science</td>
</tr>
<tr>
<td>CSDS 3410</td>
<td>Intro to Audiology</td>
</tr>
<tr>
<td>CSDS 3420</td>
<td>Language Disorders</td>
</tr>
<tr>
<td>CSDS 3430</td>
<td>Organ &amp; Neuro Based Comm Disor</td>
</tr>
<tr>
<td>CSDS 3440</td>
<td>Aural Rehabilitation</td>
</tr>
<tr>
<td>CSDS 3450</td>
<td>Speech Sound Disorders</td>
</tr>
<tr>
<td>CSDS 4050</td>
<td>Intercultural Communication</td>
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<tr>
<td>CSDS 4151</td>
<td>Clinical Writing for the Health Professions</td>
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<tr>
<td>CSDS 4190</td>
<td>Clin Methods Speech/Lang Path</td>
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Additional Course Requirements 12

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>GER 5500</td>
<td>Survey of Gerontology</td>
</tr>
<tr>
<td>PSYC 3410</td>
<td>Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 3420</td>
<td>Principles of Behavior Change</td>
</tr>
<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
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Electives 12

Select 12 credit hours of Electives
At least 6 hours of electives must be courses numbered 3000 or above.

PSYC 1101 Introduction to Psychology (should be taken if not taken in Area E.)

Total Credit Hours 124

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University.
Rehabilitation 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 Areas A - E)</th>
<th>42</th>
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</thead>
<tbody>
<tr>
<td>Area F - Courses Appropriate to Major</td>
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<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>
<td></td>
</tr>
<tr>
<td>HLP R 2000</td>
<td>Intro Research in Health Prof</td>
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</tr>
<tr>
<td>Select one of the following lecture and lab courses:</td>
<td></td>
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</tr>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 1107L</td>
<td>Principles of Biology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIOL 1108</td>
<td>Principles of Biology II</td>
<td></td>
</tr>
<tr>
<td>BIOL 1108L</td>
<td>Principles of Biology Laboratory II</td>
<td></td>
</tr>
<tr>
<td>CHEM 1211</td>
<td>Principles of Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 1211L</td>
<td>Principles of Chemistry I Laboratory</td>
<td></td>
</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>
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</tr>
<tr>
<td>Major Requirements</td>
<td>42</td>
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</tr>
<tr>
<td>HLPR 2130</td>
<td>Medical Terminology</td>
<td></td>
</tr>
<tr>
<td>HLP R 3200</td>
<td>Interprofessional Teams in Healthcare Organizations</td>
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<tr>
<td>HSCF 3005</td>
<td>Applied Musculoskeletal Anatomy and Kinesiology</td>
<td></td>
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<tr>
<td>HSCF 3200</td>
<td>Exercise Physiology</td>
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</tr>
<tr>
<td>HSCP 4010</td>
<td>Health and Human Development</td>
<td></td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 1112K</td>
<td>Introductory Physics II</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 3101</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>RHAB 1000</td>
<td>Introduction to Rehabilitation Sciences</td>
<td></td>
</tr>
<tr>
<td>RHAB 4000</td>
<td>Appl of Research to Rehab Prof</td>
<td></td>
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<tr>
<td>RHAB 4100</td>
<td>Neuroscience for the Rehabilitation Professions</td>
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<tr>
<td>RHAB 4111</td>
<td>Pathophys for Rehab Prof I</td>
<td></td>
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<tr>
<td>RHAB 4112</td>
<td>Pathophys for Rehab Prof II</td>
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<tr>
<td>Electives</td>
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<tr>
<td>15-18 credit hours must be at or above the 3000 level only</td>
<td>18-21</td>
<td></td>
</tr>
<tr>
<td>21 if PSYC 1101 taken in area E.</td>
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</tr>
<tr>
<td>Total Credit Hours</td>
<td>124</td>
<td></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.

Advisement

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Tactical Athlete Certificate

Certificate Requirements: 9 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>RHAB 3101 Basic Tactical Athlete</th>
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<tbody>
<tr>
<td>RHAB 3102 Trainer Tactical Athlete</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RHAB 3103 Programming Tactical Athlete</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
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<td></td>
</tr>
</tbody>
</table>

Advisement

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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. 233)
- Nursing B.S.N. (p. 233)
- Nursing RN-BSN (p. 236)

**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

**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) 478-5479  
Fax: (912) 478-0536

**GRADUATE PROGRAMS**

Statesboro Campus  
Phone: (912) 478-0017  
Fax: (912) 478-1679
Nursing Accelerated B.S.N.

Degree Requirements: 58 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NURS 4113 Research</td>
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</tr>
<tr>
<td>NURS 4201 Skills and Essentials of Nursing Practice</td>
<td></td>
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<tr>
<td>NURS 4202 Health Assessment</td>
<td></td>
</tr>
<tr>
<td>NURS 4203 Professional Nursing Practice</td>
<td></td>
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<tr>
<td>NURS 4204 Comprehensive Pharmacology</td>
<td></td>
</tr>
<tr>
<td>NURS 4207 Adult Health Nursing I</td>
<td></td>
</tr>
<tr>
<td>NURS 4208 Mental Health Nursing</td>
<td></td>
</tr>
<tr>
<td>NURS 4209 Women’s &amp; Children’s Nursing</td>
<td></td>
</tr>
<tr>
<td>NURS 4210 Community Health Nursing</td>
<td></td>
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<tr>
<td>NURS 4211 Adult Health Nursing II</td>
<td></td>
</tr>
<tr>
<td>NURS 4212 Leadership and Management Capstone</td>
<td></td>
</tr>
<tr>
<td>NURS 4214 Critical Analysis</td>
<td></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 courses and therefore will be unable to complete their program of 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 apply 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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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>Specific Core Requirements</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area D - Natural Sciences, Mathematics, and Technology</td>
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</tr>
<tr>
<td>Any traditional lab sequence (BIOL, CHEM, or PHYS)</td>
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<tr>
<td>STAT 1401 Elementary Statistics</td>
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</table>

<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>4</th>
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</thead>
<tbody>
<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>
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<td>KINS 2532 Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>KINS 2533 Pathophysiology</td>
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</tr>
</tbody>
</table>

Major Requirements 57
Select 3 credit hours of Electives from the following

<table>
<thead>
<tr>
<th>Course</th>
<th>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>
<tr>
<td>NURS 4142</td>
<td>Health Promotion Through the Life Span</td>
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Electives

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<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>

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 Undergraduate Office of Admissions 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 cumulative score of at least 75% on the HESI Admission Assessment (A2) Exam from 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 School of Nursing 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 cost associated with background checks and/or drug testing are the responsibility of the student
13. Students who are dismissed from any nursing program due to course failures may be considered for admission 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 BSN Program Director 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 Student Affairs Committee.

1 Environmental Biology is not an option.
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 conditions. Credit for courses taken at schools other than Georgia Southern University will be considered on an individual basis.

Admissions Department of the University.

Transfer credit hours for non-nursing courses will be evaluated by the BSN Program Director. Up to 50% of the Nursing Program of Study may be eligible for transfer.

Transfer credit hours for nursing courses will be evaluated by the BSN Program Director. Up to 50% of the Nursing Program of Study may be eligible for transfer.

3. Transfer credit hours for nursing courses will be evaluated by the BSN Program Director. Up to 50% of the Nursing Program of Study may be eligible for transfer.

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. A letter of good standing is required from the Program Director, Chair, or Dean of the transferring school of nursing. Each student will be evaluated on an individual basis by the Program Director in conjunction with the Student Affairs Committee.

Other Program Requirements
Students are responsible for:

• Transportation for off-campus clinical experiences.
• The purchase of uniforms, shoes, books, learning resources, and equipment.
• Maintaining personal health and accident insurance coverage and professional 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; be in good standing in the University Honors Program at the time of graduation.

Nursing LPN/LVN - BSN
Degree Requirements: 120 Credit Hours

<table>
<thead>
<tr>
<th>General Requirements (Core Area A - E)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area D - Natural Sciences, Mathematics, and Technology</td>
<td>42</td>
</tr>
<tr>
<td>Any traditional lab sequence (BIOL, CHEM, &amp; PHYS)</td>
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</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
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<td>18</td>
</tr>
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<tr>
<td>KINS 2533 Pathophysiology</td>
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</tr>
<tr>
<td>Major Requirements</td>
<td>60</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>
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<tr>
<td>NURS 3103 Professional Nursing Practice</td>
<td></td>
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<tr>
<td>NURS 3104 Pharmacology I</td>
<td></td>
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<tr>
<td>NURS 3105 Pharmacology II</td>
<td></td>
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<tr>
<td>NURS 3107 Adult Health Nursing I</td>
<td></td>
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<tr>
<td>NURS 3108 Mental Health Nursing</td>
<td></td>
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<tr>
<td>NURS 4106 Pharmacology III</td>
<td></td>
</tr>
<tr>
<td>NURS 4109 Women's and Children's Nursing</td>
<td></td>
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<td>NURS 4110 Community Health Nursing</td>
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<tr>
<td>NURS 4114 Critical Analysis</td>
<td></td>
</tr>
</tbody>
</table>

Select 3 credit hours of nursing elective

Foreign Language - Optional

Minor - Optional

Total Credit Hours 120

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.

Admission Criteria to the School of Nursing Advanced Placement Track (APT) for LPN/LVN to BSN.

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.

Eligibility for advanced placement is based on academic transcripts, licensure verification, basic nursing skills verification, and achieve a score 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 are 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 cumulative score of at least 75% on the HESI Admission Assessment (A2) Exam in 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 & Essentials of Nursing Practice, Adult Health Nursing I, Mental Health Nursing, Women’s and Children’s Nursing) for a total of 25 credit hours. Upon acceptance into the nursing program, the student must meet with the LPN Program Director 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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Nursing RN-BSN

Degree Requirements: 120 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) 42</td>
</tr>
</tbody>
</table>

Specific Core Requirements

| Area D - Natural Sciences, Math, and Technology |
| Any traditional lab sequence (BIOL, CHEM, & PHYS) |
| STAT 1401 Elementary Statistics |

| Area F - Courses Appropriate to Major 18 |
| BIOL 2240 Microbiology |
| CHFD 2137 Lifespan Development |
| 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 1 |

Major Requirements

Courses Completed at Georgia Southern University 28

| NURS 4301 Conceptual Basis of Nursing |
| NURS 4302 Health Assessment |
| NURS 4303 Complementary Therapeutic Modalities |
| NURS 4310 Community Health Nursing |
| NURS 4311 Complex Nursing Concepts |
| NURS 4312 Nursing Leadership and Management |
| NURS 4313 Nursing Research |
| NURS 4314 Critical Analysis of Nursing Concepts |

Proficiency Hours Granted by Georgia Southern University 29

Complete all of the following: 1

| NURS 3101 Skills and Essentials of Nursing Practice |
| NURS 3103 Professional Nursing Practice |
| NURS 3104 Pharmacology I |
| NURS 3107 Adult Health Nursing I |
| NURS 3108 Mental Health Nursing |
| NURS 4109 Women’s and Children’s Nursing |

Elective 3

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.

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. Attained admission to Georgia Southern University and requested official transcript(s) for all college work attempted, ensuring that the transcripts have been received in the Admissions Office by the announced deadline.

2. 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).
3. 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.

4. Hold current Georgia RN licensure in good standing (proof of licensure will be validated by the RN-BSN Program).

5. Submitted the online RN-BSN application.

6. 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. The student will be notified in writing of the Undergraduate Student Affairs Committee’s decision.
   c. After failure of two required nursing courses, the student will be dismissed from the nursing program.

4. Dismissal from the nursing major does not affect the ability of the student to progress in the University in another major.

5. Strict adherence to the American Nurses' Association Nursing: Scope & Standards of Practice is required of all nursing students. Nursing students who are Registered Nurses are held accountable to the Georgia Nurse Practice Act for Registered Nurses. Failure to comply with these professional standards will result in review and action by the School of Nursing faculty and could result in the student's dismissal from the nursing program.

6. Throughout the program, students are responsible for maintaining a current Georgia nursing license and professional liability insurance.

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

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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, Chemistry, Geographic Information Science, Geography, Geology, Mathematics, Military Science, Stastics, 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, an Interdisciplinary Concentration in Environmental Sustainability, 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 (https://cosm.georgiasouthern.edu/).

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- Department of Chemistry and Biochemistry (p. 242)
- Department of Geology and Geography (p. 246)
- Department of Mathematical Sciences (p. 250)
- Department of Military Science (p. 253)
- Department of Physics and Astronomy (p. 256)
- Medical Professions Advising (p. 258)
- Structure (p. 259)
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- Biochemistry B.S. (p. 243)
- Biology B.A. (p. 239)
- Biology B.S. (p. 240)
- Chemistry B.A. (p. 244)
- Chemistry B.S. (p. 245)
- Geography B.A. (p. 246)
- Geography B.S. (p. 247)
- Geology B.A. (p. 248)
- Geology B.S. (p. 249)
- Mathematical Sciences B.S. (p. 252)
- Military Science Non-Degree (p. 254)
- Physics B.A. (p. 256)
- Physics B.S. (p. 257)

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- Biochemistry Minor (p. 243)
- Biology Minor (p. 241)
- Chemistry Minor (p. 245)
- Geographic Information Science Minor (p. 246)
- Geography Minor (p. 248)
- Geology Minor (p. 250)
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- Physics Minor (p. 258)
- Statistics Minor (p. 253)

Certificates

- Actuarial Sciences Certificates (p. 251)

Concentrations

- Environmental Sustainability Interdisciplinary Concentration (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 (https://cosm.georgiasouthern.edu/advisement/)
cosm.georgiasouthern.edu/prehealth (https://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)
dnivens@georgiasouthern.edu

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Associate Dean of Research, Faculty, and Graduate Affairs
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lancemcbrayer@georgiasouthern.edu

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Assistant Dean of Undergraduate Programs
and Director of Student Success
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bkoehler@georgiasouthern.edu

Brent Feske
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bleske@georgiasouthern.edu

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 for majors exemplified by a free exchange of ideas, high academic expectations, and individual responsibility for academic achievement. Our programs further support the University’s mission in promoting scientific and technological advancement, health services, sustainability, citizenship and social responsibility.

Programs

Majors

- Biology B.A. (p. 239)
- Biology B.S. (p. 240)

Minors

- Biology Minor (p. 241)

Biology B.A.

Degree Requirements: 124 Credit Hours

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

| Credit Hours | BIOL 3131 | Physiology |
|              | BIOL 3133 | Evolution and Ecology |
|              | BIOL 3134 | Cell and Molecular Biology |
|              | BIOL - Required Courses | 3 |
|              | BIOL 4130 | Genetics |
|              | BIOL Electives | 16 |
|              | BIOL - Elective Courses (Level 3000 and above) |
|              | BCHM 3200 or BCHM 5201 may substitute for a |
|              | BIOL Elective with Advisor approval. |

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) | 15

Select 15 credit hours of Minor

Foreign Language Requirements | 0-9

Completion through 2002-level Foreign Language

Electives | 2-19

Must include at least 2 hours of upper-division (3000-level and above) 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

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 as well as those hours attempted at Georgia Southern.
- All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.

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:

| Credit Hours |
| BIOL 1107 | Principles of Biology I |
| BIOL 1107L | Principles of Biology I Laboratory |
| BIOL 1108 | Principles of Biology II |
| BIOL 1108L | Principles of Biology II Laboratory |
| CHEM 1211 | Principles of Chemistry I |
| CHEM 1212 | Principles of Chemistry II |
| FYE 1220 | First-Year Seminar |
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)  
Credit Hours 42

<table>
<thead>
<tr>
<th>Area A2</th>
<th>Must take MATH 1112, MATH 1113 or MATH 1441</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area DII</td>
<td>Must take MATH 1441 if not taken in Area A2 above</td>
</tr>
</tbody>
</table>

Additional Requirements  
Credit Hours 4

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107 Principles of Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1108 Principles of Biology II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM Principles of Chemistry I (if not taken in 1211K/1211/1211L/Area D1)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM Principles of Chemistry II (if not taken in 1212K/1212/1212L/Area D1)</td>
<td>4</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.

- GEOL 1121 Introduction to the Earth
- PHYS 1111K Introductory Physics I
- PHYS 2211K Principles of Physics I

Additional Biology, Computer Science, Foreign, Math, Science Course (if needed)

Major Specific Requirements

<table>
<thead>
<tr>
<th>Carry-over from MATH 1441 Calculus I in Area A or Area D2</th>
<th>1</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1107L Principles of Biology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1108L Principles of Biology Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 3401 Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3402 Organic Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

Completion of Geology, Physics, or Advisor alternate course (may count if Area F, if needed)

- GEOL 1122 General Historical Geology
- PHYS 1112K Introductory Physics II
- PHYS 2212K Principles of Physics II

Major Requirements

| 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

| BIOL 4130 Genetics | 3 |

BIOL - Elective Courses (Level 3000 and above)

| BCHM 3200 or BCHM 5201 (may substitute for a BIOL Elective with Advisor approval) | 23 |
| 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  
Credit Hours 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. All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.
- 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>
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<tbody>
<tr>
<td>BIOL 1107 &amp; 1107L</td>
</tr>
<tr>
<td>BIOL 1108 &amp; 1108L</td>
</tr>
<tr>
<td>CHEM 1211</td>
</tr>
<tr>
<td>CHEM 1212</td>
</tr>
<tr>
<td>FYE 1220</td>
</tr>
<tr>
<td>MATH 1441</td>
</tr>
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</table>

Required Biology Honors Courses

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2320</td>
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<tr>
<td>BIOL 4985</td>
</tr>
<tr>
<td>BIOL 4999</td>
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</tbody>
</table>

Recommended Biology Honors Courses

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3630</td>
</tr>
</tbody>
</table>

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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Environmental Sustainability Interdisciplinary Concentration

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>BIOL 1230</td>
</tr>
<tr>
<td>CHEM 1040</td>
</tr>
<tr>
<td>GEOL 1340</td>
</tr>
<tr>
<td>PHYS 1149</td>
</tr>
<tr>
<td>TCGT 1530</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:

*may include one of the 1000-level environmental science courses if TCGT 1530 is taken above

Environmental Archaeology

Biology Minor

Prerequisite(s) 1

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211K</td>
</tr>
<tr>
<td>BIOL 1107</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.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.
ANTH 4331 Anthropology and Human Problems 2
ARTS 3680 Environmental Art
BIOL 3100 People and the Environment
BIOL 3133 Evolution and Ecology
BIOL 4540 Principles of Ecology
BIOL 4550 Biology of Marine Organisms
BIOL 5250 Limnology
BIOL 5346 Agroecology
BIOL 5400 Barrier Island Ecology
BIOL 5470 Marine Pollution
BIOL 5530 Wildlife Management
BIOL 5534 Conservation Biology
BIOL 5542 Aquatic Ecology
BIOL 5546 Plant Ecology
BIOL 5547 Marine Ecology
COMS/AAST 4337 Rhetoric of Social Movements 3
CHEM 4220 Chemistry of Biofuels
CHEM 4320 Green Chemistry
CHEM 5110 Environmental Chemistry
CSDS 4050 Intercultural Communication
ECON 4337 Environmental Economics
ENGL 5280 Literature and the Environment
EGEO 3330 Weather and Climate 2
EGEO 5231 Economic Geography
EGEO 5435 Nature and Society
EGEO 5530 Cultural Geography
EGEO 5531 Environmental Impact and Remediation
GEOL 5230 Earth Science 2
GEOL 5740 Sea Turtle Natural History 3
HIST 3580 Environmental History
HSCC 3140 Epidemiology
HSCC 3760 Environmental and Community Health Issues
INDS 3530 Sustainability for the Built Environment 3
INTS 3230 Global Issues
INTS 3571 Development and Sustainability
INTS 3573 Sustainable Ocean Policy
NTFS 3631 Sustainable Foods 3
OCEA 3100 Introduction to Oceanography
PHIL 3334 Environmental Ethics 3
POLS 3231 Environmental Politics 3
POLS 3236 International Relations 3
POLS 4137 Politics of the Global South 3
PUBH 3136 Principles of Environmental Health
PUBH 3331 Stress Theory and Management in Health Promotion 2
PUBH 5520 Introduction to Public Health 3
RECR 3230 Adventure Education 3
RECR 3235 Outdoor Recreation Management 2
RECR 4230 Environmental Education and Interpretation 2
SOCI 3335 Social Change
SOCI 3435 Environmental Sociology
TCM 5330 Green Building and Sustainable Construction
TSEC 5333 Industrial Hygiene and Ergonomics 3
TSEC 5334 Hazardous Waste Management
TSEC 5336 Environmental Law 3

And complete the Environmental Sustainability Practicum:

SUST 4730 Practicum in Environmental Sustainability

Total Credit Hours 18

1. An additional 12 credit 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 Institute for Coastal Plain Science.

2. Permission of instructor

3. Courses with no prerequisites

4. Practicum in Environmental Sustainability (SUST 4730) is a capstone project in sustainability, conducted with a faculty mentor (generally in the home department) and coordinated by the Director of the Institute for Coastal Plain Science.

Contact

Institute for Coastal Plain Science
Dr. Daniel Gleason
(912) 478-5957
dgleason@georgiasouthern.edu

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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. 243)
• Chemistry B.A. (p. 244)
• Chemistry B.S. (p. 245)

 Minors

• Biochemistry Minor (p. 243)
• Chemistry Minor (p. 245)
Biochemistry B.S.

Degree Requirements: 124 Credit Hours

General Requirements (Core A - E) Credit Hours 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
CHEM 1211 Principles of Chemistry I
& 1211L and Principles of Chemistry I Laboratory
or CHEM 1211K Principles of Chemistry I
CHEM 1212 Principles of Chemistry II
& 1212L and Principles of Chemistry II Laboratory
or CHEM 1212K Principles of Chemistry II
MATH 2242 Calculus II
PHYS 2211K Principles of Physics I (if not taken in Area D1)
PHYS 2212K Principles of Physics II (if not taken in Area D1)

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 10
 Carry over from MATH 1441 Calculus I in Area A or Area D
 Carry over from CHEM 1211K/CHEM 1212K Principles of Chemistry I/II in Area F
 BIOL 1107 Principles of Biology I
 & 1107L and Principles of Biology I Laboratory
 (may count in Area D or F, if needed)
 BIOL 1108 Principles of Biology II
 & 1108L and Principles of Biology Laboratory II
 (may count in Area D or F, if needed)

Major Requirements 36
BCHM 2910 Introduction to Biochemical Research
BCHM 3100 Bioinstrumental Chemistry
BCHM 3310 Bioinorganic Chemistry
BCHM 3510 Biophysical Chemistry
BCHM 5201 Biochemistry I
BCHM 5202 Biochemistry II
BIOL 3134 Cell and Molecular Biology
CHEM 2100 Analytical Chemistry
CHEM 3401 Organic Chemistry I
CHEM 3402 Organic Chemistry II

Select two credit hours from the list below: 2
BCHM 3310L Bioinorganic Laboratory
BCHM 3511L Biophysical Laboratory
BCHM 4991 Advanced Biochemical Research

Students must complete 3 additional hours of advisor-approved upper level (BCHM 3000 and above) biochemistry coursework 3

Elective 6
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. All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.

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).

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Biochemistry Minor

Prerequisite(s)

Students must complete 3 additional hours of upper level (BCHM 3000 and above) biochemistry coursework 3

Prerequisite Requirements Credit Hours
CHEM 1211 Principles of Chemistry I
& 1211L and Principles of Chemistry I Laboratory
or CHEM 1211K Principles of Chemistry I
Major Specific Requirements

CHEM 2900 Principles of Chemistry Research

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.
- All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.

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).

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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></td>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
</tr>
<tr>
<td></td>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
</tr>
<tr>
<td></td>
<td>Additional Requirements 4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major 18</td>
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</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CHEM 1211K Principles of Chemistry I</th>
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<tr>
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<tr>
<td></td>
<td>CHEM 1212K Principles of Chemistry II</td>
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<td></td>
<td>or CHEM 1212 and Principles of Chemistry II</td>
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<td>&amp; 1212K</td>
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<tr>
<td></td>
<td>MATH 2242 Calculus II</td>
</tr>
<tr>
<td></td>
<td>PHYS 2211K Principles of Physics I (if not taken in Area D1)</td>
</tr>
<tr>
<td></td>
<td>PHYS 2212K Principles of Physics II (if not taken in Area D1)</td>
</tr>
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<td></td>
<td>Additional hours of chemistry, biology, or computer science (if needed).</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Specific Requirements 11</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Carry over from MATH 1441 Calculus I in Area A or Area D2</td>
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<tr>
<td></td>
<td>Carry over from CHEM 1211K/1212K in Area F</td>
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<tr>
<td></td>
<td>CHEM 2900 Principles of Chemistry Research</td>
</tr>
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<td></td>
<td>CHEM 2100 Analytical Chemistry</td>
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<table>
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<tr>
<th>Credit Hours</th>
<th>Major Requirements 36</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>CHEM 3100 Instrumental Analysis</td>
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<tr>
<td></td>
<td>CHEM 3300 Inorganic Chemistry</td>
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<td></td>
<td>CHEM 3401 Organic Chemistry I</td>
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<tr>
<td></td>
<td>CHEM 3402 Organic Chemistry II</td>
</tr>
<tr>
<td></td>
<td>CHEM 3501 Chemical Kinetics and Thermodynamics</td>
</tr>
<tr>
<td></td>
<td>CHEM 3502 Introduction to Quantum Chemistry</td>
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<tr>
<td></td>
<td>BCHM 5201 Biochemistry I</td>
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</tbody>
</table>

| Credit Hours | Students must complete 9 additional hours of upper-level chemistry or biochemistry coursework (3000-level and above, not to include BCHM 3200) 2 |

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives 13-21</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Must include at least 2 hours of upper-division (3000-level and above) coursework</th>
</tr>
</thead>
</table>

| 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.
- All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.

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).

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

Chemistry Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CHEM 1211K Principles of Chemistry I</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>or CHEM 1211 and Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td></td>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Pre requisite Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td></td>
<td>or CHEM 1211 and Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td></td>
<td>BCHM 5201 Biochemistry I</td>
</tr>
</tbody>
</table>

| Credit Hours | 8 |

2 Students must complete 9 additional hours of upper-level chemistry or biochemistry coursework (3000-level and above, not to include BCHM 3200)
or CHEM Principles of Chemistry II
1212 and Principles of Chemistry II Laboratory
1212L

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>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2100</td>
<td>Analytical Chemistry 4</td>
</tr>
<tr>
<td>CHEM 3401</td>
<td>Organic Chemistry I 4</td>
</tr>
</tbody>
</table>

For further information regarding Certification, please refer to the College of Education (p. 157) section.

Advisement

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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, palaeontological, 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. 246)
• Geography B.S. (p. 247)
• Geology B.A. (p. 248)
• Geology B.S. (p. 249)

Minors

• Geographic Information Science Minor (p. 246)
• Geography Minor (p. 248)
• Geology Minor (p. 250)

Geographic Information Science Minor

Minor Program

<table>
<thead>
<tr>
<th>Minor Program Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3440 Introduction to GIS and Cartography</td>
<td></td>
</tr>
<tr>
<td>GEOG 4542 Intermediate GIS</td>
<td></td>
</tr>
<tr>
<td>GEOG 5540 Advanced GIS</td>
<td></td>
</tr>
<tr>
<td>GEOG 5441 Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>or GEOG 5091 Applied GIS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 16

Advisement

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Geography 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></td>
<td>42</td>
</tr>
</tbody>
</table>

Additional Requirements 4

Area F - Courses Appropriate to Major 18

Foreign Language 2002 - Intermediate II
STAT 1401 Elementary Statistics
Select 12 credit hours of the following:
Foreign Language through 2001
ANTH 1102 Introduction to Anthropology
HIST 1111 World History I: Development of World Civilization
INTS 2130 Introduction to International Studies
PHIL 2020 Critical Thinking
SOCI 1101 Introduction to Sociology

If any of the above are used to satisfy other Areas in the Core, additional advisor-approved courses in Science, Math, Computers, or Foreign Language courses may be substituted

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1101 Introduction to Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1111 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 3440 Introduction to GIS and Cartography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5441 Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>AAST 3230 Introduction to Africa and Its Diaspora</td>
<td></td>
</tr>
<tr>
<td>ANTH 2431 Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>INTS 3230 Global Issues</td>
<td></td>
</tr>
</tbody>
</table>
Students must complete 18 additional hours of upper-level geography coursework (3000-level and above), not to include more than 2 hours of GEOG 3790 - Teaching Internship in Geography and 6 hours of GEOG 5890 - Directed Study.

Alternatively, students may choose to complete 3 credit hours of upper-level geography coursework (3000-level and above) along with one of the following 15 credit hour Areas of Emphasis.

**Environmental Studies Emphasis**
- Students will choose 15 hours from the following. At least 14 hours must be GEOG courses.
  - GEOG 3330 Weather and Climate
  - GEOG 5330 Population Geography
  - GEOG 5531 Environmental Impact and Remediation
  - GEOG 5545 Ecological Hydrology
  - GEOG 5890 Directed Study
  - GEOL 5431 Coastal Geology
  - GEOG 5435 Nature and Society
  - GEOG 5530 Geomorphology
  - GEOG 5740 Sea Turtle Natural History

**Global Studies Emphasis**
- Students will choose 15 hours from the following.
  - GEOG 4232 Geography of Latin America
  - GEOG 4233 Geography of Asia
  - GEOG 4330 Geography of Africa South of the Sahara
  - GEOG 5230 Urban Geography
  - GEOG 5231 Economic Geography
  - GEOG 5330 Population Geography
  - GEOG 5430 Political Geography
  - GEOG 5435 Nature and Society
  - GEOG 5530 Cultural Geography
  - GEOG 5532 Tourism Geographies
  - GEOG 5890 Directed Study

**Minor (Approved by advisor)**
- Select 15 credit hours of Minor (Strongly recommend minor in GIS)

**Electives**
- Select 14 cr hrs of elective coursework (Must include 5-8 hrs of upper-division (3000+ level) in order to meet the 39 hrs of upper division coursework requirement).

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 6 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.

**Advisement**
- Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

**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)**
- Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441
- Additional Requirements 4
- Area F - Courses Appropriate to Major 18
  - GEOG 1111 Physical Geography
  - MATH 1441 Calculus I
  - STAT 1401 Elementary Statistics
- Select two of the following electives:
  - BIOL 1103 Concepts of Biology and Concepts of Biology Laboratory
  - CHEM 1211K Principles of Chemistry I
  - or CHEM 1211 Principles of Chemistry I Laboratory
  - or BIOL 1103L Concepts of Biology Trad. Lab
  - GEOL 1121 Introduction to the Earth
  - GEOL 1340 Environmental Geology
  - PHYS 1111K Introductory Physics I

**Major Requirements**
- Select 24 hours of Upper Division Geography courses (GEOG 3000-level and above)
- May include no more than 2 hours of GEOG 3790 - Teaching Internship in Geography and 6 hours of GEOG 5890 - Directed Study

**Major 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)**
Program Requirements

<table>
<thead>
<tr>
<th>Program Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Geography majors must maintain an overall 2.0 GPA across all Geography coursework (any course with GEOG prefix).</td>
</tr>
</tbody>
</table>

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.

Advisement

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Geography Minor

Minor Program

<table>
<thead>
<tr>
<th>Minor Program Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1101 Introduction to Human Geography or GEOG 1111 Physical Geography or GEOG 1130 World Regional Geography</td>
<td>15</td>
</tr>
<tr>
<td>GEOG - 12 credit hours of Upper Division courses (3000-level and above)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

For individuals seeking teacher certification through MAT, the following list of courses is recommended.

Recommended Courses for MAT

<table>
<thead>
<tr>
<th>Highly Recommended</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3330 Weather and Climate</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 5530 Cultural Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recommended</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 9 credit hours of the following:</td>
<td>9</td>
</tr>
<tr>
<td>GEOG 4232 Geography of Latin America</td>
<td></td>
</tr>
<tr>
<td>GEOG 4233 Geography of Asia</td>
<td></td>
</tr>
<tr>
<td>GEOG 4430 Geography of Europe</td>
<td></td>
</tr>
<tr>
<td>GEOG 5230 Urban Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5231 Economic Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5330 Population Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5430 Political Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5435 Nature and Society</td>
<td></td>
</tr>
<tr>
<td>GEOG 5535 Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEOG 5590 Field Studies in Geography</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

For further information regarding Certification, please refer to the College of Education (p. 157) section.

Advisement

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Geology 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>

<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
</tbody>
</table>

Students must complete CHEM 1211K, CHEM 1212K, GEOL 1121, and GEOL 1122 if not taken in Area D.

| CHEM 1211K Principles of Chemistry I     |              |
| or CHEM 1211 Principles of Chemistry I Laboratory |          |
| & 1211L                                  |              |
| CHEM 1212K Principles of Chemistry II    |              |
| or CHEM 1212 Principles of Chemistry II Laboratory |        |
| & 1212L                                  |              |
| GEOL 1121 Introduction to the Earth (if not taken in Area D1) |          |
| GEOL 1122 General Historical Geology (if not taken in Area D2) |          |

Electives 2-9

Select from the following:
BIOL 1103 Concepts of Biology and Concepts of Biology Laboratory (or BIOL 1103L)
MATH 1441 Calculus I
MATH 2242 Calculus II
PHYS 1111K Introductory Physics I
PHYS 1112K Introductory Physics II
STAT 1401 Elementary Statistics

Major Requirements: 25
GEOL 3541 Mineralogy
GEOL 3542 Petrology and Petrography
GEOL 5142 Structural Geology
Geology Electives (Must include 9 credit hours of GEOL 3000-level or above)

Electives: 11-20
Must include at least 5 credit hours of upper-division (3000-level and above) coursework

Foreign Language (2002 Level) 0-9
Completion through 2002-level Foreign Language

Minor: Must be approved by advisor 15
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

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) 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
CHEM 1211K Principles of Chemistry I or CHEM 1211
1211L Principles of Chemistry I Laboratory
CHEM 1212K Principles of Chemistry II or CHEM 1212
1212L Principles of Chemistry II Laboratory
GEOL 1121 Introduction to the Earth
GEOL 1122 General Historical Geology
BIOL 1103 Concepts of Biology

Additional hours as necessary may be substituted from Major Specific Courses listed below

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;
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### Geology Minor

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>GEOL 1121 Introduction to the Earth</td>
</tr>
<tr>
<td>8</td>
<td>GEOL 1122 General Historical Geology</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

8

### Minor Program

**Minor Program Requirements**

- Students majoring in Geology (BS or BA) may pursue Honors in Geology. Students are required to complete 15 additional hours of upper-level geology coursework (not to include GEOL 5230 or GEOL 5231).

**Total Credit Hours**

15

### 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>Credit Hours</th>
<th>MAT Program Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>GEOL 3541 Mineralogy</td>
</tr>
<tr>
<td></td>
<td>GEOL 3542 Petrology and Petrography</td>
</tr>
<tr>
<td></td>
<td>GEOL 5142 Stratigraphy and Sedimentation</td>
</tr>
<tr>
<td></td>
<td>GEOL 5440 Structural Geology</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

16

For further information regarding Certification, please refer to the College of Education (p. 157) section.

### Advisement

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### 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

---

### Geology Minor

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>GEOL 1121 Introduction to the Earth</td>
</tr>
<tr>
<td>8</td>
<td>GEOL 1122 General Historical Geology</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

8

### Minor Program

**Minor Program Requirements**

- Students majoring in Geology (BS or BA) may pursue Honors in Geology. Students are required to complete 15 additional hours of upper-level geology coursework (not to include GEOL 5230 or GEOL 5231).

**Total Credit Hours**

15

### 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>
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<th>Credit Hours</th>
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<td>GEOL 3541 Mineralogy</td>
</tr>
<tr>
<td></td>
<td>GEOL 3542 Petrology and Petrography</td>
</tr>
<tr>
<td></td>
<td>GEOL 5142 Stratigraphy and Sedimentation</td>
</tr>
<tr>
<td></td>
<td>GEOL 5440 Structural Geology</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

16

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### Advisement

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student involvement, including an active student organization and student competition teams.

Programs

Majors

• Associate of Science A.S. (p. 251)
• Mathematical Sciences B.S. (p. 252)

Minors

• Mathematical Sciences Minor (p. 252)
• Statistics Minor (p. 253)

Certificates

• Actuarial Sciences Certificates (p. 251)

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 Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 3211 Probability &amp; Statistics App I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3222 Probability &amp; Statistics Ap II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3231 Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3232 International Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4131 Applied Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3131 Principles of Corporate Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Advisement

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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.

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4200 Actuarial Science Seminar</td>
<td>21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Requirements (Core Area A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Major Requirements</td>
<td>18</td>
</tr>
</tbody>
</table>

General CORE Pathway

Select eighteen credit hours of courses at the 1000 or 2000 level

Criminal Justice and Criminology Pathway

| CRJU 1100 Introduction to Criminal Justice |
| CRJU 2010 Universal Justice     |
| CRJU 2210 Introduction to Policing |
| CRJU 2410 Introduction to Corrections |

Students must also complete two courses from the list below (6 cr hrs)

| CRJU 2410 Introduction to Corrections |
| CRJU 2210 Introduction to Policing   |
| CRJU 2010 Universal Justice         |
| CRJU 1100 Introduction to Criminal Justice |

Anatomy and Physiology

| BIOL 2081 Human Anatomy and Physiology I |
| BIOL 2081L Human Anatomy and Physiology I Laboratory |
| BIOL 2082 Human Anatomy and Physiology II |
| BIOL 2082L Human Anatomy and Physiology II Laboratory |
| BIOL 2275 Microorganisms and Disease |
| CHFD 2137 Lifespan Development |
| KINS 2533 Pathophysiology |

STEM Pathway

Area D science sequence if not taken in Area D.I. (0-8 hrs)

Second Area D science sequence (8 hrs)

Additional Math/Science/Technology courses at 1000 and 2000 level (2-10 hrs)

Total Credit Hours 64
Advisement

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Mathematical Sciences 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
Area DII -- Must take MATH 1441 if not taken in Area A2 above

Additional Requirements 4
Area F - Courses Appropriate to Major 18
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
MATH 2160 Linear Algebra
MATH 2242 Calculus II (or 1 hour carryover if MATH 2242 taken in Area D plus INTS 2130)
MATH 2243 Calculus III
MATH 2332 Mathematical Structures
Select one of the following Computer Science Courses or a course approved by Mathematics Advisor:
CSCI 1236 Introduction to Java Programming
CSCI 1301 Programming Principles I
CSCI 1302 Programming Principles II

Specific Requirements 4-10
Lab Science Course in addition to those taken in Area D
Foreign Language course(s) through 2001 or INTS 2130 if not completed above

Major Requirements 50-56
MATH 3230 Ordinary Differential Equations
MATH 3337 Probability
MATH 4920 Undergraduate Seminar
MATH 5331 Analysis I
MATH 5333 Modern Algebra I
STAT 5351 Statistical Methods I
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.

Additional Free Electives 3
Select 15-27 credit hours of additional free Electives
Carryover from Area A2 (1) if MATH 1113 is taken in Area A2

Total Credit Hours 124

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 Research Honors Research Honors Research Honors Research 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 Research Honors Research Honors Research Research Research 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.

Advisement

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Mathematical Sciences Minor

Prerequisite(s)

Prerequisite Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1441 Calculus I 8</td>
</tr>
<tr>
<td>MATH 2242 Calculus II 8</td>
</tr>
</tbody>
</table>

Minor Program Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2160 Linear Algebra 6-7</td>
</tr>
<tr>
<td>MATH 2243 Calculus III 6-7</td>
</tr>
<tr>
<td>MATH 2332 Mathematical Structures 6-7</td>
</tr>
</tbody>
</table>

Guided Elective 8-9
MATH - Any 3000-level or above MATH/STAT courses approved for the B.S. in Mathematical Sciences degree program

Total Credit Hours 15

Advisement

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Statistics Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Prerequisite Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1441 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2242 Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credit Hours 8

Minor Program Requirements

Course Requirements

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3337 Probability</td>
<td>3</td>
</tr>
<tr>
<td>Select at least one of the following:</td>
<td></td>
</tr>
<tr>
<td>STAT 5330 Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STAT 5531 Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>STAT - Any 3000-level or above STAT courses excluding STAT 3130.</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Recommendations

Students are advised to take both of Introduction to Mathematical Statistics (STAT 5330) and Statistical Methods I (STAT 5531) for basic knowledge in, respectively, statistical theory and application. Additionally, the content of the following math courses is helpful, but not required.

- Linear Algebra (MATH 2160)
- Calculus III (MATH 2243)
- Mathematical Structures (MATH 2332)

Advisement

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Military Science Minor

Minor Program

<table>
<thead>
<tr>
<th>Minor Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 3131 Advanced Tactics and Applied Leadership I</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 3132 Advanced Tactics and Applied Leadership II</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 4131 Military Leadership and Management Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 4132 Transition to Lieutenant</td>
<td>3</td>
</tr>
</tbody>
</table>

Military History Elective

Students must select one course from the following:

- HIST 2400 The American Military Experience
- MSCI 2400 The American Military Experience
- HIST 3136 US Foreign Relations since World War I
- HIST 3230 American Military History
- HIST 4531 World War I
- HIST 5335 World War II
- MSCI 3230 Readings in Military History

Total Credit Hours 15

1 The American Military Experience (HIST 2400) or Readings in Military History (MSCI 3230) preferred

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.

Contact

MAJ Abby Walker, Scholarship & Enrollment Officer
Department of Military Science
Building 262, Room 1024
(912) 478-0040
Advisement

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Military Science Non-Degree

The program below is provided for informational purposes to explain the U.S. Army expectations of cadets in the Reserve Officer Training Program. Cadets in this program must actually select one of the many major programs offered at Georgia Southern University (Cadets will complete the Minor in Military Science while meeting the requirements of the training program below).

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 student’s leadership, confidence, self-discipline, integrity, and sense of responsibility. There is no obligation to continue in ROTC as a result of meeting the requirements of the program below).

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.

Advanced Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 3131</td>
<td>Advanced Tactics and Applied Leadership I</td>
</tr>
<tr>
<td>MSCI 3132</td>
<td>Advanced Tactics and Applied Leadership II</td>
</tr>
<tr>
<td>MSCI 4131</td>
<td>Military Leadership and Management Seminar</td>
</tr>
<tr>
<td>MSCI 4132</td>
<td>Transition to Lieutenant</td>
</tr>
<tr>
<td>MSCI 3731</td>
<td>Advanced Military Skills Practicum (Advanced Camp) (registration optional)</td>
</tr>
</tbody>
</table>

Advanced Military Skills Practicum

This course is mandatory for all students seeking a commission in the U.S. Army but registration for university credit hour is optional. Advanced Camp is the most important training event for an Army ROTC Cadet. 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. Students attending this camp are paid and given travel allowance from their home to camp and back.

Basic Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 2731</td>
<td>Basic Military Skills Practicum (Basic Camp) (registration optional)</td>
</tr>
</tbody>
</table>

Basic Course

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.

Basic Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 1510</td>
<td>Mountainiining</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>
<tr>
<td>MSCI 2731</td>
<td>Basic Military Skills Practicum</td>
</tr>
</tbody>
</table>
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 obtain this medical statement from Health Services on campus. Students interested in earning a commission in the U.S. Army and enrolling in the Advanced Course require a Department of Defense Medical Evaluation Review Board physical, must be an academic junior or higher, have a GPA of 2.0 or better, be a U.S. citizen, have no moral obligations or personal conviction preventing service, satisfactorily explain any record of arrest and/or civil conviction, be a high school graduate or possess an equivalent certificate, pass the Army Physical Fitness Test and must demonstrate a potential for further leadership development. Additionally, Veterans, JROTC graduates (with at least four years of high school JROTC), and students who have completed military science courses in the military preparatory schools and junior colleges are eligible for advanced placement and are not required to participate in the Basic Course.

Other Program Requirements

Professional Military Education (PME) requires students seeking a commission in the U.S. Army to complete 3 credit hours in military history coursework.

Credit Hours

<table>
<thead>
<tr>
<th>Military History 1</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST/MSCI 2400</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3136</td>
<td>US Foreign Relations since World War I</td>
</tr>
<tr>
<td>HIST 3230</td>
<td>American Military History (preferred)</td>
</tr>
<tr>
<td>HIST 4531</td>
<td>World War I</td>
</tr>
<tr>
<td>HIST 5335</td>
<td>World War II</td>
</tr>
<tr>
<td>MSCI 3230</td>
<td>Readings in Military History</td>
</tr>
</tbody>
</table>

1 The American Military Experience (HIST 2400) preferred 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 Basic Camp Course can count for 3 general credit hours. Students who are not eligible for advanced placement and who have not completed the Basic Course program may still become qualified for the Basic Camp Course.

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

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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>Required Courses:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 2101</td>
<td>Naval Ships Systems I (Engineering)</td>
</tr>
<tr>
<td>NSCI 3003</td>
<td>Navigation I</td>
</tr>
<tr>
<td>&amp; NSCI 3004</td>
<td>and Navigation II</td>
</tr>
<tr>
<td>NSCI 4001</td>
<td>Naval Ships Systems II (Weapons)</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>12</td>
</tr>
</tbody>
</table>
Advanced Program (Marine Corps Option): 6 Credit Hours

Required Courses:
- NSCI 3101 Evolution Of Warfare
- NSCI 4102 Amphibious Warfare
Total Credit Hours 6

Additional and Substitute Requirements (Required of all Midshipmen): 12 Credit Hours

Required Courses:
- NSCI 1001 Introduction To Naval Science
- NSCI 1002 Seapower And Maritime Affairs
- NSCI 2102 Leadership & Management
- NSCI 4104 Leadership & Ethics
Total Credit Hours 12

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: 15
- NSCI 1001 Introduction To Naval Science
- NSCI 2101 Naval Ships Systems I (Engineering)
- NSCI 3003 Navigation I
& NSCI 3004 and Navigation II
- NSCI 4001 Naval Ships Systems II (Weapons)

Track Two: 15
- NSCI 1001 Introduction To Naval Science
- NSCI 1002 Seapower And Maritime Affairs
- NSCI 3101 Evolution Of Warfare
- NSCI 4102 Amphibious Warfare
- NSCI 4001 Naval Ships Systems II (Weapons)

Total Credit Hours 30

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

Advisement

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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 B.A. (p. 256)
- Physics B.S. (p. 257)

Minors
- Physics Minor (p. 258)

Physics B.A.

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
- Area DII -- Must take MATH 1441 if not taken in Area A2 above

Additional Requirements 4
- Area F - Courses Appropriate to Major 2
  - MATH 2242 Calculus II
  - PHYS 1210 Survey of Physics
  - PHYS 2211K Principles of Physics I
  - PHYS 2212K Principles of Physics II
  - Additional hours in physics, astronomy, math, computer science or chemistry

Major Requirements 11
- PHYS 3536 Modern Physics I
- PHYS 3537 Modern Physics II
- PHYS 3630 Undergraduate Seminar
- PHYS 4421 Advanced Physics Lab I

Major Emphasis

Select an emphasis area below to complete the Major 12

General Physics
- Students must complete 12 credit hours of upper-division (3000+) ASTR or PHYS coursework.

Astronomy
- ASTR 3790 Teaching Internship in Astronomy
- Students must complete 11 additional credit hours of upper-division (3000+) ASTR or PHYS coursework. A minimum of 6 credit hours must be in Astronomy.
Physics 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>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
</tr>
</tbody>
</table>

Area DII -- Must take MATH 1441 if not taken in Area 2 above

### Additional Requirements

<table>
<thead>
<tr>
<th>4</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>MATH 2242 Calculus II</td>
</tr>
<tr>
<td></td>
<td>MATH 2243 Calculus III</td>
</tr>
<tr>
<td></td>
<td>PHYS 1210 Survey of Physics</td>
</tr>
<tr>
<td></td>
<td>PHYS 2211K Principles of Physics I (if not taken in Area D)</td>
</tr>
<tr>
<td></td>
<td>PHYS 2212K Principles of Physics II (if not taken in Area D)</td>
</tr>
</tbody>
</table>

Additional hours in physics, astronomy, math, computer science or chemistry

### Specific Requirements

| 3 | MATH 3230 Ordinary Differential Equations |

### Major Requirements

| 31 | PHYS 3536 Modern Physics I |
|    | PHYS 3537 Modern Physics II |
|    | PHYS 3630 Undergraduate Seminar |
|    | 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 |

### Major Emphasis

Select an emphasis area below to complete the Major

#### General Physics

Students must complete 9 additional credit hours, of which 6 credit hours must be upper-division (3000+) ASTR or PHYS coursework.

#### Astronomy

Students must complete 9 additional credit hours, of which 6 credit hours must be upper-division (3000+) ASTR coursework.

### Electives

Students must complete 17 additional credit hours in any subject area (Students seeking the Astronomy Emphasis must include the courses below, if not taken in Area D or Area F).

ASTR 1010 Astronomy of the Solar System

ASTR 1020 Stellar and Galactic Astronomy

ASTR 1211 Astronomy Lab

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 Electives.

2. Students must complete Calculus I (MATH 1441) and Calculus II (MATH 2242)

3. Undergraduate Seminar (PHYS 3630) is a 1 credit hour class, repeatable for credit. 3 credit hours are required in the Major Requirements of the BA Physics degree. Additional repeated hours will not count toward graduation.

4. Students must complete at least 39 credit hours of upper division course work overall.

5. May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language

### Honors in Physics

To graduate with Honors in Physics, a student must:

- be admitted to the University Honors Program;
- complete 3-credit hours in hours 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.

### Advisement

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### 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.

Advisement

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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>3</td>
</tr>
<tr>
<td>&amp; PHYS 1112K</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2211K</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHYS 2212K</td>
<td>3</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. 157) section.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (p. 263) catalog page.

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.

Medical Professions Advising coordinates an exciting schedule of events, including informational meetings, developmental workshops, and informational sessions with representatives from health professional schools and practitioners. These sessions complement and reinforce the 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. Therefore, 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

The Medical Professions Review Board is ancillary to the Medical Professions Advising. The board is composed of faculty members from an array of disciplines, in the College of Science and Mathematics, serving to guide students with the writing and the interviewing components necessary to become strong applicants. Students will meet with dedicated faculty who help students improve their personal statements and provide a platform for mock interviews.

Additionally, the Medical Professions Review Board is available to students who need a composite letter from their undergraduate institution prior to professional school matriculation. To obtain this letter, students must be: 1) compliant with the medical professions advising requirements, 2) have at least three individual letters of recommendation, 3) a completed personal statement, and 4) sit for an ~45 minute interview with multiple Board members.

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
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.

Botanic Garden

Located on 11 acres near the southeast end of the Statesboro campus, the Garden celebrates the natural history and culture of the southeastern coastal plain. The Garden features a growing collection of native and heritage plants including 270 taxa and 20 of the state's protected plants. The Garden offers woodland trails, wetlands, landscape gardens of coastal plain natives, a native azalea collection, an arboretum, a vegetable garden, a complex of early 20th-century farm buildings, Rural Life Museum, the Whelchel Camellia Garden, and more. As a research and educational resource for faculty and students, the Garden provides undergraduate and graduate internships and hands-on study opportunities. Workshops, tours, school field trips, special events, and plant sales are some of the Garden's public outreach programs.

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 lifelong 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.
Center for Wildlife Education and Lamar Q Ball, Jr Raptor Center

The Center for Wildlife Education and The Lamar Q Ball, Jr. Raptor Center strives to provide quality environmental education for visitors of all ages. The Center exists to support Georgia Southern University in its environmental education programs, as well as to provide wildlife encounters for the school children and citizens of this region. All species of native Georgia fauna are within the scope of the Center’s endeavors. The critical role of humans in the environment is the unifying theme for its programs.

Jiann-Ping Hsu College of Public Health

The Jiann-Ping Hsu College of Public Health (JPHCOOPH) 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

- Public Health Dean’s Office (p. 261)
- Department of Biostatistics, Epidemiology and Environmental Health Sciences (p. 262)
- Department of General Public Health (p. 262)
- Department of Health Policy, Management and Behavior (p. 262)

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 JPHCOOPH commit to demonstrate these values in our behavior toward one another and to those whom we serve.

In 2007, the JPHCOOPH 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

Minors
• Health Education and Promotion Minor (p. 261)
• Public Health Minor (p. 262)

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 (http://jphcoph.georgiasouthern.edu)
Email: jphcoph@georgiasouthern.edu

Dean: Stuart Tedders
Armstrong Campus
109 C Solms Hall
Voice: (912) 478-2674 Fax: (912) 478-5811
Email: stedders@georgiasouthern.edu

Interim Associate Dean of Academic Affairs: Nandi Marshall
Statesboro Campus
3024 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2674 Fax: (912) 478-5811

Public Health Dean's Office

Administration
Dean  
Stuart H. Tedders, PHD, MS
Interim Associate Dean of Academic Affairs  
Nandi Marshall, DPH, MPH, CHES
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
No results were found.

Minors
• Health Education and Promotion Minor (p. 261)
• Public Health Minor (p. 262)

Health Education and Promotion Minor

Minor Program

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 2131</td>
<td>Introduction to Community and Public Health</td>
<td></td>
</tr>
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</table>

Select two total from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 3131</td>
<td>Chronic Diseases: A Modern Epidemic (Prerequisites: KINS 2531 and KINS 2511)</td>
<td></td>
</tr>
<tr>
<td>PUBH 3132</td>
<td>Health Care Systems and Advocacy</td>
<td></td>
</tr>
<tr>
<td>PUBH 3136</td>
<td>Principles of Environmental Health</td>
<td></td>
</tr>
<tr>
<td>PUBH 3138</td>
<td>Multicultural and Social Determinants of Health</td>
<td></td>
</tr>
<tr>
<td>PUBH 3231</td>
<td>Epidemiology and Biostatistics</td>
<td></td>
</tr>
<tr>
<td>PUBH 3330</td>
<td>Modifying Health Behaviors</td>
<td></td>
</tr>
</tbody>
</table>

Select two health content courses: 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 3130</td>
<td>Substance Use and Abuse</td>
<td></td>
</tr>
<tr>
<td>PUBH 3331</td>
<td>Stress Theory and Management in Health Promotion</td>
<td></td>
</tr>
<tr>
<td>PUBH 3430</td>
<td>Sexuality Education</td>
<td></td>
</tr>
</tbody>
</table>

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) 478-2676 Fax: (912) 478-5811
Email: bclassens@georgiasouthern.edu
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 General Public Health

Programs


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.

### Public Health Minor

#### Minor Program

**Course Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 2131 Introduction to Community and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3132 Health Care Systems and Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3136 Principles of Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3231 Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3330 Modifying Health Behaviors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 15

**Prerequisites:** Healthy Living (HLTH 1520) and sophomore status.

The Health Education and Promotion Minor is open to any student interested in health education and promotion.

#### Contact

Department of Health Policy and Community Health

Hendricks Hall, Room 1022

Dr. Joanne Chopak-Foss

(912) 478-1530

jchopak@georgiasouthern.edu

### 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 3531 Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4230 Global Maternal and Child Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4231 Health Aspects of Aging</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 15

**Advisor at least once a semester.** For more information visit the academic-resources/programs-requirements/advisement/

Advisor:

Dr. Joanne Chopak-Foss

jchopak@georgiasouthern.edu

(912) 478-1530

Hendricks Hall, Room 1022

Department of Health Policy and Community Health

### Department of General Public Health

**Programs**


### 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.

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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.
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  - Accelerated Bachelor's to Master's (p. 264)
  - Co-op and Internship Program (p. 264)
  - Core Curriculum Course Requirements (p. 264)
  - Core Curriculum Course Requirements - Clinical Health (p. 266)
  - Educational Opportunity Programs (p. 267)
  - First Year Seminar (p. 268)
  - Graduation Requirements (p. 268)
  - Honors College (p. 272)
  - Learning Support Program (p. 270)
  - Office of Global Engagement (http://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/office-global-engagement/)
  - Office of International Programs and Services (p. 270)
  - Office of International Student Admissions and Programs (http://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/office-international-student-admissions-programs/)
  - Other Degree Requirements (p. 271)
  - Requirements for All Degrees (p. 271)

- Undergraduate Program Definitions (http://catalog.georgiasouthern.edu/undergraduate/academic-resources/undergraduate-program-definitions/)
- Undergraduate Policies and Procedures (p. 273)
  - Academic Alerts (p. 273)
  - Academic Intervention Policy (p. 273)
  - Academic Renewal Policy (p. 273)
  - Academic Standing Policy (p. 274)
  - Classification (p. 278)
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  - Course Load (p. 279)
  - Dean's List (p. 279)
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  - Graduate Credit for Seniors (Senior Privilege) (p. 279)
  - Limited Grade Forgiveness Policy (p. 279)
  - Policy for Limiting Individual Course Withdrawals (p. 280)
  - President's List (p. 280)
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Programs and Requirements

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- Accelerated Bachelor's to Master's (p. 264)
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- Other Degree Requirements (p. 271)
- Requirements for All Degrees (p. 271)

Academic Advisement

Overview

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester.

In addition to primary Academic Advisement, students may be assigned a secondary advisor. Secondary advisors provide supplemental advisement related to a specialized topic such as the Honors Program, Learning Support, Student Athletes, TRiO, Pre-Professional Advisement, and more. These advisors partner with the student's primary advisor to help the student navigate their path forward through college.

Questions regarding Undergraduate Academic Advising should be directed to the Office of Advising at advising@georgiasouthern.edu. Additional information, including advisor locations, can be accessed at https://academics.georgiasouthern.edu/advising (https://academics.georgiasouthern.edu/advising/).

Philosophy

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

Council for the Advancement of Standards in Higher Education
http://www.cas.edu

National Academic Advising Association (NACADA)
http://www.nacada.ksu.edu/

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 apply 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 course work 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. 279) for more information.

Co-op and Internship Program

The Co-op and Internship Program at Georgia Southern University encompasses both cooperative education and internship 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 an Experiences application in Handshake, agree to sign the Code of Conduct and a 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. Because these hours are free and non tuition-bearing, they are not able to be used toward Financial Aid requirements. 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 completion grade awarded to the student.

For more information about our Co-op and Internship Program, please refer to the Student Co-op Internship Program page (students.georgiasouthern.edu/career/students/internships-co-ops/) or visit the Office of Career and Professional Development, 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</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II (Prerequisite ENGL 1101)</td>
<td>3</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>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1001</td>
<td>Quantitative Reasoning</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 1101</td>
<td>Introduction to Mathematical Modeling (Not a prerequisite for MATH 1112 or MATH 1113)</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 1111</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry (Prerequisite MATH 1111 or equivalent academic background)</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics (Prerequisite MATH 1111 or equivalent academic background)</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH/STAT 1401</td>
<td>Intro to Statistics</td>
<td></td>
</tr>
</tbody>
</table>
MATH 1441 Calculus I (Prerequisite MATH 1112 or MATH 1113 or equivalent academic background)

AREA B - 7 Hours Required

Credit Hours

CORE 2000 CORE Capstone 1

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

Credit Hours

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
COMM 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

Credit Hours

Select two of the following laboratory science courses (8 hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010</td>
<td>Astronomy of the Solar System</td>
</tr>
<tr>
<td>ASTR 1211</td>
<td>Astronomy Lab</td>
</tr>
<tr>
<td>ASTR 1020</td>
<td>Stellar and Galactic Astronomy</td>
</tr>
<tr>
<td>ASTR 1211</td>
<td>Astronomy Lab</td>
</tr>
<tr>
<td>BIOL 1103</td>
<td>Concepts of Biology</td>
</tr>
<tr>
<td>BIOL 1103L</td>
<td>Concepts of Biology Laboratory</td>
</tr>
<tr>
<td>BIOL 1110L</td>
<td>Concepts of Biology Trad. Lab</td>
</tr>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
</tr>
<tr>
<td>BIOL 1107L</td>
<td>Principles of Biology I Laboratory</td>
</tr>
<tr>
<td>BIOL 1108</td>
<td>Principles of Biology II</td>
</tr>
<tr>
<td>BIOL 1108L</td>
<td>Principles of Biology II Laboratory</td>
</tr>
<tr>
<td>BIOL 1230</td>
<td>Environmental Biology</td>
</tr>
<tr>
<td>BIOL 1230L</td>
<td>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</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1211L</td>
<td>Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td>CHEM 1212</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>CHEM 1212L</td>
<td>Principles of Chemistry II Laboratory</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>CHEM 1320</td>
<td>Environmental Geology</td>
</tr>
<tr>
<td>PHSC 1211</td>
<td>Physical Science</td>
</tr>
<tr>
<td>PHSC 1211L</td>
<td>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 1112K</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>
</tbody>
</table>

AREA D2 - 3 Hours Required

Credit Hours

Any 3-4 hour course from Area D1 OR any course listed below

<table>
<thead>
<tr>
<th>Course 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>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>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>MATH/STAT</td>
<td>Intro to Statistics</td>
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<tr>
<td>1401</td>
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</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I</td>
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<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>
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**AREA E - 9 Hours Required**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>POLS 1101</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</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></td>
</tr>
<tr>
<td>HIST 2112</td>
<td>Survey of US History II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>AAST 2000</td>
<td>Introduction to African American Studies</td>
<td></td>
</tr>
<tr>
<td>ANTH 1102</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ECON 1101</td>
<td>Survey of Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 1150</td>
<td>Principles of Macroeconomics by WC</td>
<td></td>
</tr>
<tr>
<td>ECON 2105</td>
<td>In the Social Sciences</td>
<td></td>
</tr>
<tr>
<td>HONS 1131</td>
<td>Inquiry in the Social Sciences</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCI 1101</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women’s, Gender, and Sexuality Studies</td>
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</table>

**Additional 4 Hours Required**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FYE 1220</td>
<td>First-Year Seminar</td>
<td>2</td>
</tr>
<tr>
<td>KINS 1525</td>
<td>Concepts of Health and Physical Activity</td>
<td>2</td>
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</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>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II (Prerequisite ENGL 1101)</td>
<td>3</td>
</tr>
</tbody>
</table>

**AREA A2 - 3 Hours Required**

A minimum grade of “C” is required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1001</td>
<td>Quantitative Reasoning</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 1101</td>
<td>Introduction to Mathematical Modeling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Not a prerequisite for MATH 1112 or MATH 1113)</td>
<td></td>
</tr>
<tr>
<td>MATH 1111</td>
<td>College Algebra</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry (Prerequisite MATH 1111 or equivalent academic background)</td>
<td></td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics (Prerequisite MATH 1111 or equivalent academic background)</td>
<td></td>
</tr>
<tr>
<td>MATH/STAT</td>
<td>Intro to Statistics</td>
<td></td>
</tr>
<tr>
<td>1401</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I (Prerequisite MATH 1112 or MATH 1113 or equivalent academic background)</td>
<td></td>
</tr>
</tbody>
</table>

**AREA B - 7 Hours Required**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE 2000</td>
<td>CORE Capstone</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</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></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANTH 1150</td>
<td>Glob Pers Ant: People of World</td>
<td></td>
</tr>
<tr>
<td>CRJU 2010</td>
<td>Universal Justice</td>
<td></td>
</tr>
<tr>
<td>FORL 2001</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate I level)</td>
<td></td>
</tr>
<tr>
<td>FORL 2002</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate II level)</td>
<td></td>
</tr>
<tr>
<td>FORL 2060</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Accelerated Intermediate level)</td>
<td></td>
</tr>
<tr>
<td>GEOG 1130</td>
<td>World Regional Geography</td>
<td></td>
</tr>
<tr>
<td>HLPR 2010</td>
<td>Cult Illins Disg &amp; Trtmnt</td>
<td></td>
</tr>
<tr>
<td>HONS 1134</td>
<td>Inquiry in Global Issues</td>
<td></td>
</tr>
<tr>
<td>IDS 2000</td>
<td>Diaspora Studies</td>
<td></td>
</tr>
<tr>
<td>INTS 2130</td>
<td>Introduction to International Studies</td>
<td></td>
</tr>
<tr>
<td>POLS 1150</td>
<td>World Politics</td>
<td></td>
</tr>
<tr>
<td>PSYC 2300</td>
<td>Global Persp in Devlp Tech</td>
<td></td>
</tr>
<tr>
<td>RELS 2100</td>
<td>World Religions</td>
<td></td>
</tr>
<tr>
<td>RELS 2130</td>
<td>Introduction to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>SABR 2960</td>
<td>Study Abroad</td>
<td></td>
</tr>
<tr>
<td>SOCI 2000</td>
<td>Global Sociology</td>
<td></td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender in Global Contexts</td>
<td></td>
</tr>
</tbody>
</table>

**AREA C - 6 Hours Required**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities</td>
<td></td>
</tr>
<tr>
<td>ENGL 2111</td>
<td>World Literature I (Prerequisites ENGL 1101 and ENGL 1102)</td>
<td></td>
</tr>
<tr>
<td>ENGL 2112</td>
<td>World Literature II (Prerequisites ENGL 1101 and ENGL 1102)</td>
<td></td>
</tr>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL 2030</td>
<td>Introduction to Ethics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>ART 1000</td>
<td>Art in Life</td>
<td></td>
</tr>
<tr>
<td>ARTH 2531</td>
<td>Art History I</td>
<td></td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking (Prerequisite ENGL 1101)</td>
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</tbody>
</table>
### AREA D1 - 8 Hours Required

Select a sequence of lab science courses from the following (8 hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
</tr>
<tr>
<td>&amp; 1107L</td>
<td>Principles of Biology I Laboratory</td>
</tr>
<tr>
<td>BIOL 1108</td>
<td>Principles of Biology II</td>
</tr>
<tr>
<td>&amp; 1108L</td>
<td>Principles of Biology II Laboratory</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</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>&amp; 1211L</td>
<td>Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1212</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>&amp; 1212L</td>
<td>Principles of Chemistry II Laboratory</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>PHYS 1112K</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
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<tr>
<td>PHYS 2211K</td>
<td>Principles of Physics I</td>
</tr>
<tr>
<td>PHYS 2221K</td>
<td>Principles of Physics II</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>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1000</td>
<td>Introduction to the Universe</td>
</tr>
<tr>
<td>ASTR 1010</td>
<td>Astronomy of the Solar System</td>
</tr>
<tr>
<td>ASTR 1020</td>
<td>Stellar and Galactic Astronomy</td>
</tr>
<tr>
<td>BIOL 1103</td>
<td>Concepts of Biology</td>
</tr>
<tr>
<td>BIOL 1230</td>
<td>Environmental Biology</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 1040</td>
<td>Chemistry and the Environment</td>
</tr>
<tr>
<td>ENGR 1112</td>
<td>Introduction to Scientific Modeling and Simulation</td>
</tr>
<tr>
<td>GEOL 1111</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GEOL 1121</td>
<td>Introduction to the Earth</td>
</tr>
<tr>
<td>GEOL 1122</td>
<td>General Historical Geology</td>
</tr>
<tr>
<td>GEOL 1340</td>
<td>Environmental 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>IT 2531</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>HONS 1133</td>
<td>Inquiry in the Natural Sciences</td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics</td>
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<tr>
<td>MATH 1232</td>
<td>Survey of Calculus</td>
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### AREA E - 9 Hours Required

Select one of the following:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HIST 2110</td>
<td>American Government</td>
</tr>
<tr>
<td>HIST 2111</td>
<td>History of the United States to 1877</td>
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</table>

Select one of the following:

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<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>AAST 2000</td>
<td>Introduction to African American Studies</td>
</tr>
<tr>
<td>ANTH 1102</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</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>
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### Additional 4 Hours Required

<table>
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<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>

### 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 (https://students.georgiasouthern.edu/trioss/files/Armstrong-Campus-TRiO-SSS-Application.pdf)

Apply to the Statesboro Campus (https://qafederation.ngwebsolutions.com/idp/startSSO.ping?RequestedDynamicFormTemplate=b6f82c7d-dcd6-4a82-b295-qafederation.ngwebsolutions.com/idp/startSSO.ping?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,

Rosenwald Building Suite 1051
912-478-2387
students.georgiasouthern.edu/trioss/armstrongcampus (https://students.georgiasouthern.edu/trioss/StatesboroCampus/)

TRIO Student Support Services Statesboro Campus,

First Year Seminar

FYE 1220 First-Year Seminar, is an introduction to college-level inquiry and campus engagement. This course allows students to develop and apply information literacy skills and to engage with their degree programs, campus resources, and the university community. FYE 1220 also introduces students to topics of diversity and inclusion.

First & Second - Year Programming

1001 Williams Center
912-478-3939
https://academics.georgiasouthern.edu/FSYPrograms/

Graduation Requirements

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 baccalaureate degree requirements in residence at Georgia Southern. Students must earn at least 25 percent (16 credit hours) of their associate 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 9 credit hours of the 15 to 18 required in the minor must be taken at Georgia Southern and must be at the upper-division level (numbered 3000 or above). Courses taken to satisfy Core Areas A through E or major requirements may not be counted towards the minor. Courses taken in Core Area F may be counted. A second major will satisfy the requirement for a minor if either major requires a minor.

• 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.
- 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.

Catalog for Graduation Evaluation

Students are assigned a catalog edition when they initially enroll at Georgia Southern and typically satisfy the degree requirements in effect at that time. However, there are several instances when a student will be required to change catalog editions and meet the curricular degree requirements of the catalog in effect at the time he or she:

- Officially changes his or her degree or major;
- Officially changes from non-degree seeking to degree-seeking status;
- Re-enters the university after an absence of three or more consecutive terms; or
- Has not graduated by the time his or her catalog edition is ten years old.

Students may choose to satisfy the degree requirements of a later catalog by notifying his or her advisor, but if they decide to do so, they must meet all the requirements of the later catalog. Degree requirements of more than one catalog edition cannot be combined, and students may not elect a discontinued/deactivated degree program. Any exceptions to this policy require the approval of the advisor, department chair, and dean.

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 the 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 Academic Honors

Georgia Southern University only awards baccalaureate degrees with academic honors to those students that meet the minimum institutional and overall grade point average. The lowest of these two GPAs will be used in determining the level of honors. The academic honors announced at graduation will be based on the GPA calculated the semester prior to the graduation ceremony. After graduation and all final grades are recorded and all degree requirements are complete, honors are recalculated and will be added to diplomas and transcripts if honors are achieved by the student. Armstrong and Liberty campus students enrolled prior to Fall 2018 may be eligible to receive historical honors using guidelines preceding the consolidation between Armstrong State University and Georgia Southern until Summer 2024.

Baccalaureate Honors Designation
Summa cum laude 3.90 - 4.00
Magna cum laude 3.70 - 3.89
Cum laude 3.50 - 3.69

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 Success 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 course 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. 296) for:

<table>
<thead>
<tr>
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<td>ENGL 0999</td>
<td>Support for English Composition</td>
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<tr>
<td>MATH 0998</td>
<td>Support for Mathematical Modeling</td>
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<tr>
<td>MATH 0999</td>
<td>Support for College Algebra</td>
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<tr>
<td>MATH 0997</td>
<td>Support for Quantitative Reasoning</td>
<td>2</td>
</tr>
<tr>
<td>STAT 0996</td>
<td>Support for Elementary Statistics</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
Phone: (912)478-0332

Armstrong Campus:
Gamble Hall 110
Phone: (912)344-3128
academics.georgiasouthern.edu/international (https://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/ (https://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. 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 the second year of a 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 beginning 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 beginning foreign languages courses 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 who have graduated from a high school in the U.S. and have proficiency in one of the languages offered by the Department of Foreign Languages but who have not satisfied RHSC in high school may take a proficiency exam in the language and satisfy their RHSC requirement, if they are proficient at the Elementary II (1002) level of the language (note that this does not grant the student credit).

Foreign Language Degree Requirements

B.A. Degree Requirements in Foreign Languages

B.A. degree students must complete through the Intermediate II level or its equivalent. Equivalence may be demonstrated by one of the following:

• Completion with a grade of "C" or better of a fourth-year language course at the secondary level (note that this satisfies the BA Language requirement, but it does not grant the student credit);
• Receive the GaDOE Seal of Biliteracy (either Tier 1 or Tier 2; note that students receive credit through Intermediate II for the language);
• Taking and passing the CLEP/AP/IB test with a score high enough to place out of Intermediate I (note that students do receive credit for passing these tests with a high enough score);
• Written certification by the chair of the Department of Foreign Languages that the student has the equivalent of Intermediate II proficiency or higher (note that this satisfies the BA Language requirement, but it does not grant the student credit);
• Complete the language sequence for a single language through Intermediate II (1001, 1002, 2001, 2002). Students with prior experience in a language must visit with a language instructor in order to be placed into the correct level. Once a student has passed the course that they are placed into, they may petition for credit for the courses they skipped (see https://cah.georgiasouthern.edu/foreign-languages/credit-by-proficiency/). Although students are not required to purchase the credit for the courses they skip, if they do, the courses count toward graduation.

Students transferring to Georgia Southern without sufficient course work to meet a program's foreign language requirement will be required to satisfy the requirement in order to graduate.

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 Intermediate I (2001) or its equivalent. Equivalence may be demonstrated by one of the following:

• Completion with a grade of "C" or better of a third-year language course at the secondary level (note that this satisfies the BS Language requirement, but it does not grant the student credit);
• Receive the GaDOE Seal of Biliteracy (either Tier 1 or Tier 2; note that students receive credit through Intermediate II for the language);
• Taking and passing the CLEP/AP/IB test with a score high enough to place out of Intermediate I (note that students do receive credit for passing these tests with a high enough score);
• Written certification by the chair of the Department of Foreign Languages that the student has the equivalent of Intermediate I proficiency or higher (note that this satisfies the BS Language requirement, but it does not grant the student credit);
• Complete the language sequence for a single language through Intermediate I (1001, 1002, 2001, 2002). Students with prior experience in a language must visit with a language instructor in order to be placed into the correct level. Once a student has passed the course that they are placed into, they may petition for credit for the courses they skipped (see https://cah.georgiasouthern.edu/foreign-languages/credit-by-proficiency/). Although students are not required to purchase the credit for the courses they skip, if they do, the courses count toward graduation.

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>Area</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>A2</td>
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<tr>
<td>B</td>
<td>7</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
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<td>D1</td>
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<td>3</td>
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<td>E</td>
<td>9</td>
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<tr>
<td>F</td>
<td>18</td>
</tr>
<tr>
<td>Additional Requirements - First-Year Seminar and Concepts of Health and PE</td>
<td>4</td>
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</table>
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/WRIT 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/ (https://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:

1. HIST 2001 satisfies United States History, United States Constitution, Georgia History and Georgia Constitution;
2. HIST 2110 U.S. A Comprehensive Survey satisfies Georgia History and United States History;
3. HIST 2111 History of the United States to 1877 satisfies Georgia History and United States History;
4. HIST 2112 Survey of US History II satisfies Georgia History and United States History;
5. HIST 3133 United States Constitutional History satisfies United States Constitution;
6. HIST 4130 Georgia History satisfies Georgia Constitution and Georgia History;
7. POLS 1101 American Government satisfies Georgia Constitution and United States Constitution;
8. POLS 2001 satisfies United States History, United States Constitution, Georgia History and Georgia Constitution;
9. 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 requirement.

Information concerning preparation classes that will prepare students for the examinations offered by the Testing Office can be accessed at academics.georgiasouthern.edu/success/testing/legislative-exemption-exams/ (https://academics.georgiasouthern.edu/success/testing/legislative-exemption-exams/) or call (912) 478-5415.

Honors College
The Honors College is an inclusive community of scholars that fosters intellectual and professional development through undergraduate research and creative scholarship, experiential learning, global engagement, and personalized mentorship. Students in the Honors College 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 College 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 Honors College is competitive. Students may apply as incoming freshmen, incoming transfer students, and as current Georgia Southern students. Full details about the Honors College, its requirements, and the application process are found at the website: http://www.georgiasouthern.edu/honors (http://www.georgiasouthern.edu/honors/).

Below are the requirements expected of honors students, whether they enter as traditional first-year students or join the Honors College as a current student or transfer student.

Traditional First-Year Students
Traditional first-year students entering the college 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 college will have the following requirements based on their credit hours:

1. FYE: Students who join the college 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. 273)
- Academic Intervention Policy (p. 273)
- Academic Renewal Policy (p. 273)
- Academic Standing Policy (p. 274)
- Classification (p. 278)
- Consolidation GPA Renewal Policy (p. 278)
- Course Load (p. 279)
- Dean’s List (p. 279)
- Employment Programs (p. 279)
- Graduate Credit for Seniors (Senior Privilege) (p. 279)
- Limited Grade Forgiveness Policy (p. 279)
- Policy for Limiting Individual Course Withdrawals (p. 280)
- President’s List (p. 280)
- Registration Time Tickets and RANs (p. 280)
- Scholarship Programs (p. 280)
- Transient Students (p. 281)

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, lack of engagement or some combination of academic concerns).

Students who receive academic alerts are advised to seek the counsel of their instructor and academic advisor to develop a plan for success.

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

A provision which allows Undergraduate USG degree-seeking students who earlier experienced academic difficulty to make a fresh start and have one final opportunity to earn an associate or bachelor’s degree. Undergraduate students receiving academic renewal receive a new grade point average to be used for determining academic standing.

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 credit for any coursework taken during the period of absence shall be granted in accordance with the prevailing USG and Georgia Southern policies and procedures regarding the awarding of transfer credit.

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
An undergraduate student is considered to be in Good Academic Standing if s/he has an institutional grade point average (GPA) of 2.0 or higher.

If a student has an institutional GPA less than 2.0, one of the following academic standings 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 for one (1) full academic year (Fall, Spring and Summer in any order)
- Any student suspended from the university may submit an appeal for Fall and/or Spring semester to the Academic Standards Committee to be readmitted. 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 (01) status. A student will be allowed no more than one approved appeal to the
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.
- A student who begins the semester on W2 will be placed on Academic Probation 2 (P2) 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 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 move from P2 when his/her institutional GPA is 2.0 or higher.
- 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 may appeal after receiving Suspension 2 (E2) if the student has not received an approved appeal after they received Suspension 1. A student will be allowed no more than one approved appeal to the Academic Standards Committee and/or to the student’s dean.

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.

* Note: This Academic Standing Policy is effective Fall 2018. All students enrolled at Georgia Southern Fall 2018 will start the term in good standing.
ACADEMIC STANDING POLICY VISUAL
(EFFECTIVE SPRING 2020)

GS
Student's institutional GPA is 2.0 or higher, student is in Good Standing (GS).

GS - no prior exclusion

W1
If student's total institutional GPA drops below 2.0, student is placed on Academic Warning 1 (W1).

AT THE END OF THE SEMESTER:

Is student's total institutional GPA 2.0 or higher?

YES

Student moves from W1 to GS

NO

Student is placed on Academic Probation (P1).

AT THE END OF THE SEMESTER:

Is student's total institutional GPA 2.0 or higher?

YES

Student moves from P1 to GS

NO

Student is placed on Academic Suspension (E1).

ACADEMIC SUSPENSION I IS FOR ONE (1) ACADEMIC YEAR... FALL, SPRING AND SUMMER IN ANY ORDER

Student is readmitted to the University after sitting out 1 academic year (Fall, Spring and Summer in any order)
or receiving an approved appeal from the Academic Standards Committee or the Dean of his/her college.

ACADEMIC STANDING POLICY CONTINUES ON THE TOP OF THE NEXT PAGE
Undergraduate Catalog

G1 - prior exclusion

**Student's institutional GPA after readmit status is 2.0 or higher, student is in Good Standing (G1).**

**AT THE END OF THE SEMESTER:**

Is student's total institutional GPA 2.0 or higher?

**YES**

**W2**

Student is placed on Academic Warning 2 (W2).

**AT THE END OF THE SEMESTER:**

Is student's total institutional GPA 2.0 or higher? **OR** Is student's term GPA 2.25 or higher?

**YES**

Student moves from W2 to G1

**NO**

**P2**

Student is placed on Academic Probation 2 (P2).

**AT THE END OF THE SEMESTER:**

Is student's total institutional GPA 2.0 or higher? **OR** Is student's term GPA 2.25 or higher?

**YES**

Student moves from P2 to G1

**NO**

**E2**

Student is placed on Academic Suspension (E2).

**ACADEMIC SUSPENSION 2 IS FOR THREE (3) ACADEMIC YEARS**

Student is readmitted to the University after sitting out 3 academic years UNLESS
Student receives an approved appeal from the Academic Standards Committee or the Dean of his/her college, only if the student did not receive an approved appeal after Academic Suspension 1 (E1).

STUDENTS WHO ARE NOT ENROLLED FOR THREE YEARS MAY BE ELIGIBLE FOR ACADEMIC RENEWAL AND A READMIT STATUS OF (GS).
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. 273) 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 (http://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 to the Academic Standards Committee clearly stating the basis for an appeal. The student may appeal after receiving Suspension 2 if the student has not received an approved appeal after they received Suspension 1. 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/ (http://em.georgiasouthern.edu/registrar/students/forms/) and must be submitted online. Click “Student,” click “Forms for Students,” and scroll down to the readmission appeal form and submit the appeal. A Readmission appeal form should be submitted as soon as possible but must be received in the Office of the Registrar before the end of the workday (5:00 p.m.) five days prior to the meeting day. 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 institutional GPA. The total institutional 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>Freshmen</th>
<th>Sophomores</th>
<th>Juniors</th>
<th>Seniors</th>
<th>Post Baccalaureate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 - 29.99 credit hours earned</td>
<td>30 - 59.99 credit hours earned</td>
<td>60 - 89.99 credit hours earned</td>
<td>90 or more credit hours earned</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;
- Any scholastic suspensions that occurred in the past shall remain recorded on the student’s permanent record;
• All previously attempted coursework from Armstrong State University and Georgia Southern University prior to the consolidation will continue to be recorded on the student’s official transcript;
• The approval of Consolidation GPA Renewal does not supersede financial aid policies;
• The approval of Consolidation GPA Renewal does not supersede the admissions requirements of certain programs, e.g., teacher education and nursing, which require a specific minimum grade point average based upon all coursework;
• Consolidation GPA Renewal status approved 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/1iPKoZwpV2pXF_SQp8FwcdBEJnXjW_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 (12) or more hours is considered a full-time load for undergraduate students. A student must take nine (9) to eleven (11) hours to be considered a three quarter time student or a student must take six (6) to eight (8) hours to be considered a half 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/](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.¹ 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 reverse 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.

1 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 not 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=3be6e128a56f82931174c537e87bb0) account. Also, transient students will get their RAN from their MyGeorgiaSouthern (https://my.georgiasouthern.edu/portal/portal.php?h=3be6e128a56f82931174c537e87bb0) account.

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 enrollment for the school term for which the scholarship is sought, and have 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 post-secondary 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 28. To remain eligible, students must maintain at least a 3.3 college GPA at the checkpoints (36, 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:

1. 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
2. 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
3. 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 scholarships 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/ (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 em.georgiasouthern.edu/finaid/external-scholarships/ (http://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/registrar/registrant/forms/ (http://em.georgiasouthern.edu/registrar/registrant/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. 530) 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.

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. 282)
- Credit by Examination (p. 282)
- Dual Enrollment at Georgia Southern (p. 282)
- International Student Admission (p. 283)
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Beginning Freshmen

An applicant will be considered for admission upon compliance with the following requirements and conditions:

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.

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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, Eagle Success, for students to demonstrate their ability to succeed at college-level work. Students who participate can continue their enrollment in the fall term. 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. 285) 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). SACSOC 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 maintained by the Office of Admissions and can be found on their website at admissions.georgiasouthern.edu/future/ap-ib-clep (https://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.gsfcc.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, 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.gsfcc.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\(^2\) scores of at least 237 Reading, 258 Quantitative Reasoning, Algebra, Statistics and 4 WritePlacer;
3. 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” 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 education 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 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 Student Admissions and Programs. Students are encouraged to contact the Office of International Student Admissions and Programs for information and assistance at (912) 478-7435 or on the web at [http://GeorgiaSouthern.edu/international](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 Health 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 Health 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 Health Services.

**Post-Baccalaureate Admission**

Applicants who have earned a baccalaureate degree from an accredited institution 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.

**Proficiency Exams**

Georgia Southern offers undergraduate students an opportunity to obtain credit by a local proficiency examination. The procedure is as follows:

1. To access the Proficiency Examination form, please visit the Forms for Students page ([https://em.georgiasouthern.edu/Registrar/students/forms/](https://em.georgiasouthern.edu/Registrar/students/forms/)) on the Office of the Registrar website and find the form under “Downloadable Forms”. You will need to complete the information in Section I.

2. Undergraduate student eligibility must be determined by the Office of the Registrar. Please submit this form to the Office of the Registrar via email at regrecords@georgiasouthern.edu.

3. If the form is approved by the Office of the Registrar, the student petitions the department head of the subject area for an examination.

4. The student and the examiner will decide the date and time of the examination.

5. If the petition is approved by the Department Head, the student must pay a test fee of $15.00 per test using this link ([https://touchnet.georgiasouthern.edu/C20795_ustores/web/store_main.jsp?STOREID=99&SINGLESTORE=true](https://touchnet.georgiasouthern.edu/C20795_ustores/web/store_main.jsp?STOREID=99&SINGLESTORE=true)). A receipt will be issued to the student and to the Office of the Registrar which will allow the student to take the test.

6. The form and the receipt that was sent to the student must be presented to the examiner on the day of the examination. The examiner must sign and return the completed form to the Office of the Registrar via email to regrecords@georgiasouthern.edu.

7. Credit obtained by the proficiency examination will be considered as transfer credit.

8. 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.

**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.

For more information, visit [https://admissions.georgiasouthern.edu/requirements/former-georgia-southern-student/](https://admissions.georgiasouthern.edu/requirements/former-georgia-southern-student/).

*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.

**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.

- Georgia Southern does not accept Mathematics Support or Mathematics of Finance.
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.

Additional information can be found at admissions.georgiasouthern.edu/non-traditional-students/ (http://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. 268) 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 and learning support 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, 2004).
   b. Students who do not hold an associates degree from 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; or
   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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• Accounting WebM.Acc. (The Web-Based Master of Accounting) (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/accounting-webmacc)
• Adult/Gerontology Acute Care Nurse Practitioner Post-MSN Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/adult-gerontology-acute-care-nurse-practitioner-post-msn-certificate)
• Adult/Gerontology Primary Care Nurse Practitioner Post-MSN Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/adult-gerontology-primary-care-nurse-practitioner-post-msn-certificate)
• Applied Economics Certificate (Online) (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/applied-economics-certificate-online)
• Applied Economics M.S. (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/applied-economics-ms)
• Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/applied-engineering-msae-civil-engineering-construction-concentration-nt)
• Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/applied-engineering-msae-civil-engineering-construction-concentration)
• Applied Engineering M.S.A.E. (Concentration in Information Technology) (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/applied-engineering-msae-information-technology-concentration-nt)
• Applied Engineering M.S.A.E. (Concentration in Information Technology) (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/applied-engineering-msae-information-technology-concentration)
• Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechanical-engineering-concentration-nt)
• Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/applied-engineering-msae-mechanical-engineering-concentration)
• Applied Geography M.S. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/geology-geography/applied-geography-ms-nt)
• Applied Geography M.S. (Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/geology-geography/applied-geography-ms-theis)
• Applied Physical Science M.S.A.P.S (Professional Science Master) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/chemistry-biochemistry/applied-physical-science-ms-psm)
• Applied Physical Science M.S.A.P.S. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/chemistry-biochemistry/applied-physical-science-ms-nt)
• Applied Physical Science M.S.A.P.S. (Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/chemistry-biochemistry/applied-physical-science-ms-theis)
• Applied Research and Evaluation Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/curriculum-foundations-reading/applied-research-evaluation-certificate-program-online)
• Applied Statistics Certificate (http://catalog.georgiasouthern.edu/graduate/science-mathematics/mathematical-sciences/applied-statistics-certificate)
• Art Education Post-Baccalaureate Certification (http://catalog.georgiasouthern.edu/graduate/arts-humanities/betty-foysanders-art/art-education-certificate)
• Art M.F.A. (Concentration in Graphic Design) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/betty-foysanders-art/art-mfa-concentration-graphic-design)
• Art M.F.A. (Concentration in Studio Art) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/betty-foysanders-art/art-mfa-concentration-studio)
• Autism Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/autism-endorsement/)

B
• Biology M.S. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/biology/biology-ms-nt/)
• Biology M.S. (Thesis) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/biology/biology-ms-thesis/)
• Business Administration M.B.A. (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/business-administration-mba/)
• Business Administration M.B.A. (The Georgia WebMBA) (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/business-administration-mba-georgia-webmba/)
• Business Administration Ph.D (Logistics and Supply Chain Management) (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/logistics-supply-chain-management-phd/)

C
• Certificate in Music Performance (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/certificate-music-performance/)
• Certificate in Public and Nonprofit Management (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/public-nonprofit-studies/certificate-public-nonprofit-management/)
• Certificate in Public Health (Online) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/certificate-public-health/)
• Certificate in Public History (http://catalog.georgiasouthern.edu/graduate/arts-humanities/history/certificate-public-history/)
• Civil Engineering M.S.C.E. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/civil-engineering-msece-non-thesis/)
• Civil Engineering M.S.C.E. (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/civil-engineering-construction-management/civil-engineering-msece-thesis/)
• Clinical Psychology Psy.D. (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/psychology/clinical-psychology-psyd/)
• Communication Sciences and Disorders Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/rehabilitation-sciences/communication-sciences-disorders-certificate/)
• Communication Sciences and Disorders M.S. (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/rehabilitation-sciences/communication-sciences-disorders-ms/)
• Computer Science M.S. (Hybrid) (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/computer-science/computer-science-ms-hybrid-nt/)
• Computer Science M.S. (Hybrid) (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/computer-science/computer-science-ms-hybrid/)
• Counselor Education M.Ed. (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/counselor-education-med/)
• Criminal Justice and Criminology M.S. (Emphasis in Criminal Justice) (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/criminal-justice-criminology/cjc-ms-emphasis-criminal-justice/)
• Criminal Justice and Criminology M.S. (Emphasis in Criminology) (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/criminal-justice-criminology/cjc-ms-emphasis-criminology/)
• Criminal Justice and Criminology M.S. (Emphasis in Cybercrime) (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/criminal-justice-criminology/cjc-ms-emphasis-cybercrime/)
• Curriculum and Instruction - Accomplished Teaching M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/curriculum-instruction-accomplished-teaching-med-online/)
• Curriculum and Pedagogy for Social Justice Certificate (Online) (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/public-foundations-reading/curriculum-pedagogy-social-justice-certificate/)
• Curriculum Studies Ed.D. (http://catalog.georgiasouthern.edu/graduate/education/curriculum-foundations-reading/curriculum-studies-edd/)
• Cybercrime Post-Baccalaureate Certificate (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/criminal-justice-criminology/cybercrime-certificate/)

D
• Department of General Public Health (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/general-public-health/)
• Dietetic Internship Certificate Program (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/dietetic-internship-certificate/)
• Doctor of Nursing Practice D.N.P. (Online) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/doctor-nursing-practice-dnp-online/)
• Doctor of Public Health (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/doctor-public-health/)

E
• Educational Leadership Ed.D. (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/educational-leadership-edd/)
• Educational Leadership Ed.S. (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/educational-leadership-eds/)
• Educational Leadership M.Ed.(Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/educational-leadership-med/)
• Educational Leadership Tier I Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/educational-leadership-tier-1-certification-only/)
• Educational Leadership Tier II Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/educational-leadership-tier-2-certificate-program-online/)
• Electrical Engineering M.S.E.E. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/electrical-engineering-msee-non-thesis/)
• Electrical Engineering M.S.E.E. (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/electrical-computer-engineering/electrical-engineering-msee-thesis/)
• Elementary Education (Grades P-5) Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/elementary-education-grades-p-5-eds-online/)
• Elementary Education (Grades P-5) M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/elementary-education-grades-p-5-med-online/)
• Engineering and Manufacturing Management Certificate (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/engineering-manufacturing-management-certificate/)

• English for Speakers of Other Languages (ESOL) Education Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/english-speakers-other-languages-esol-education-endorsement/)

• English M.A. (Thesis) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/literature/english-ma/)

• Enterprise Resources Planning (ERP) Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs-enterprise-resources-planning-certificate-online/)

• Evaluation, Assessment, Research, and Learning M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/curriculum-foundations-reading/evaluation-assessment-research-learning-med-online/)

F

• Family Nurse Practitioner Post-MSN Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/family-nurse-practitioner-post-msn-certificate/)

• Forensic Accounting Certificate (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/graduate-certificate-forensic-accounting/)

G

• Gerontology Graduate Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/gerontology-certificate/)

• Gifted In-field Graduate Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/gifted-infield-graduate-endorsement/)

• Graduate Certificate in Taxation (http://catalog.georgiasouthern.edu/graduate/business/graduate-programs/graduate-certificate-taxation/)

H

• Higher Education Administration M.Ed. (Hybrid) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/higher-education-administration-med/)

• History M.A. (Concentration in Public History) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/history/history-ja-public-history/)

• History M.A. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/history/history-ja-nt/)

• History M.A. (Thesis) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/history/history-ja-thesis/)

I

• Information Technology M.S.I.T. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/information-technology/information-technology-msit-nonthesis/)


• Instructional Technology Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/instructional-technology-certification-non-degree-online/)

• Instructional Technology Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/instructional-technology-eds/)

• Instructional Technology M.Ed. (Georgia ONmyLINE) (http://catalog.georgiasouthern.edu/graduate/leadership-technology-human-development/instructional-technology-georgia-onmyline/)

K

• Kinesiology M.S. (Concentration in Athletic Training) (Thesis) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-athletic-training-thesis/)

• Kinesiology M.S. (Concentration in Coaching) (Online) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-coaching-online/)

• Kinesiology M.S. (Concentration in Exercise Science) (Thesis and Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-exercise-science-thesis/)

• Kinesiology M.S. (Concentration in Physical Education) (Online) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-physical-education-online/)

• Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-sport-exercise-psychology-non-thesis/)

• Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Thesis) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/kinesiology-ms-concentration-sport-exercise-psychology-thesis/)

M

• Master of Health Administration M.H.A. (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/master-health-administration-mha/)

• Mathematical Sciences M.S. (Concentration in Applied Mathematics) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/mathematical-sciences/ms-ms-applied-mathematics-concentration/)

• Mathematical Sciences M.S. (Concentration in Computational Science) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/mathematical-sciences/ms-ms-computational-science-concentration/)

• Mathematical Sciences M.S. (Concentration in Pure Mathematics) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/mathematical-sciences/ms-ms-pure-mathematics-concentration/)

• Mathematical Sciences M.S. (Concentration in Statistics) (http://catalog.georgiasouthern.edu/graduate/science-mathematics/mathematical-sciences/ms-ms-statistics-concentration/)

• Mechanical Engineering M.S.M.E. (Non-Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/mechanical-engineering-msme-non-thesis/)

• Mechanical Engineering M.S.M.E. (Thesis) (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/mechanical-engineering-msme-thesis/)

• Middle Grades Education (Grades 4-8) Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/middle-grades-education-grades-4-8-eds-online/)
• Middle Grades Education (Grades 4-8) M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/middle-grades-education-grades-4-8-med-online/)
• Music M.M. (Concentration in Composition) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/music-mm-concentration-composition/)
• Music M.M. (Concentration in Conducting) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/music-mm-concentration-conducting/)
• Music M.M. (Concentration in Music Education) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/music-mm-concentration-music-education/)
• Music M.M. (Concentration in Music Technology) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/music-mm-concentration-music-technology/)
• Music M.M. (Concentration in Performance) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/music/music-mm-concentration-performance/)

N
• Nursing BSN to DNP (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/nursing-bsn-dnp/)
• Nursing M.S.N. (Online) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/nursing-msn-online/)

O
• Occupational Safety and Environmental Compliance Certificate (http://catalog.georgiasouthern.edu/graduate/allen-paulson-engineering-computing/mechanical-engineering/occupational-safety-environmental-compliance-certificate/)
• Online Teaching and Learning Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/online-teaching-learning-endorsement-online/)

P
• Physical Therapy D.P.T. (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/rehabilitation-sciences/physical-therapy-dpt/)
• Positive Behavior Intervention and Supports Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/positive-behavior-intervention-supports-endorsement/)
• Professional Communication and Leadership M.A. (http://catalog.georgiasouthern.edu/graduate/arts-humanities/communication-arts/professional-communication-leadership-ma/)
• Professional Communication and Leadership Post-Baccalaureate Certificate (http://catalog.georgiasouthern.edu/graduate/arts-humanities/communication-arts/professional-communication-leadership-certificate/)
• Psychiatric Mental Health Nurse Practitioner Post-MSN Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/nursing/psychiatric-mental-health-nurse-practitioner-post-msn-certificate/)
• Psychology M.S. (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/psychology/psychology-ma/)
• Public Administration M.P.A. (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/public-nonprofit-studies/public-administration-mpa/)
• Public Health Dr.P.H. (Concentration in Biostatistics) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/biostatistics-epidemiology-and-environmental-health-sciences/biostatistics-drph/)
• Public Health Dr.P.H. (Concentration in Community Health Behavior and Education) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/health-policy-management-and-behavior/community-health-behavior-education-drph/)
• Public Health Dr.P.H. (Concentration in Epidemiology) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/biostatistics-epidemiology-and-environmental-health-sciences/epidemiology-drph/)
• Public Health Dr.P.H. (Concentration in Health Policy and Management) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/health-policy-management-and-behavior/public-health-leadership-drph/partially-online/)
• Public Health M.P.H. (Concentration in Biostatistics) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/biostatistics-epidemiology-and-environmental-health-sciences/biostats-mph/)
• Public Health M.P.H. (Concentration in Community Health) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/health-policy-management-and-behavior/community-health-mph/)
• Public Health M.P.H. (Concentration in Environmental Health Sciences) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/biostatistics-epidemiology-and-environmental-health-sciences/environmental-health-sciences-mph/)
• Public Health M.P.H. (Concentration in Epidemiology) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/biostatistics-epidemiology-and-environmental-health-sciences/epidemiology-mph/)
• Public Health M.P.H. (Concentration in Health Policy and Management) (http://catalog.georgiasouthern.edu/graduate/jiann-ping-hsu-public-health/health-policy-management-and-behavior/public-health-policy-management-mph/)

R
• Radiologic Sciences Post-Baccalaureate Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/diagnostic-therapeutic-sciences/radiologic-sciences-certificate/)
• Reading Education (K-12) Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/curriculum-foundations-reading/reading-education-k-12-eds-online/)
• Reading Education M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/curriculum-foundations-reading/reading-education-med-online/)
• Reading Endorsement: Classroom Teacher of Reading Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/school-library-media-certification-non-degree-online/)

S
• School Library Media Certificate Program (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/school-library-media-certification-non-degree-online/)
• School Psychology Ed.S. (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/school-psychology-eds/)
• Secondary Education (Grades 6-12) Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/secondary-education/secondary-education-grades-6-12-eds-online/)
• Secondary Education (Grades 6-12) M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/secondary-education/secondary-education-grades-6-12-med-online/)
• Social Science M.A. (http://catalog.georgiasouthern.edu/graduate/behavioral-social-sciences/sociology-anthropology/social-science-ma/)
• Spanish M.A. (http://catalog.georgiasouthern.edu/graduate/arts-humanities/foreign-languages/spanish-ma/)
• Special Education (Grades P-12) Ed.S. (Online) (http://catalog.georgiasouthern.edu/graduate/education/special-education/special-education-grades-p-12-eds-online/)
• Special Education (Grades P-12) M.Ed. (Online) (http://catalog.georgiasouthern.edu/graduate/education/special-education/special-education-grades-p-12-med-online/)
• Special Education Transition Specialist Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/special-education/special-education-transition-specialist-endorsement/)
• Sport Management M.S. (Online) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/sport-management-ms/)
• Sports Medicine M.S.S.M. (Concentration in Strength Conditioning) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/sports-medicine-mssm-emphasis-strength-conditioning/)
• Sports Medicine M.S.S.M. (Emphasis in Human Movement Science) (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/sports-medicine-mssm-emphasis-human-movement-science/)
• Strength and Conditioning Graduate Certificate (http://catalog.georgiasouthern.edu/graduate/waters-health-professions/health-sciences-kinesiology/strength-conditioning-certificate/)

T
• Teacher Leadership Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/leadership-technology-human-development/teacher-leadership-endorsement/)
• Teacher Support and Coaching Endorsement (Online) (http://catalog.georgiasouthern.edu/graduate/education/secondary-education/teacher-support-coaching-endorsement/)
• Teaching Culturally and Linguistically Diverse Students Certificate (Online) (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/teaching-culturally-linguistically-diverse-students-certificate-online/)
• Teaching Culturally and Linguistically Diverse Students M.Ed. (http://catalog.georgiasouthern.edu/graduate/education/middle-grades-secondary-education/teaching-culturally-linguistically-diverse-students-med/)
• Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics Certificate (Online) (http://catalog.georgiasouthern.edu/graduate/arts-humanities/writing-linguistics/tesol-applied-linguistics-certificate-online/)
• Teaching M.A.T. (Concentration in Elementary Education P-5) (Online) (http://catalog.georgiasouthern.edu/graduate/education/elementary-special-education/teaching-mat-elementary-education-concentration-online/)
• Teaching M.A.T. (Concentration in Health and Physical Education P-12) (Online) (http://catalog.georgiasouthern.edu/graduate/education/health-and-physical-education-concentration/)
Course Descriptions

A

- AAST Africana Studies (p. 300)
- ACCT Accounting (p. 301)
- AFAS African American Studies (p. 303)
- ANTH Anthropology (p. 303)
- APAN Applied Anthropology (http://catalog.georgiasouthern.edu/academics/course-descriptions/apan/)
- ARAB Arabic (p. 305)
- ARCH Archaeology (p. 306)
- ART Art (p. 306)
- ARTG Art Graphic Design (p. 309)
- ARTH Art History (p. 310)
- ARTS Art (p. 312)
- ASTR Astronomy (p. 313)

B

- BCHM Biochemistry (p. 314)
- BIOL Biology (p. 315)
- BIOS Biostatics (http://catalog.georgiasouthern.edu/academics/course-descriptions/bios/)
- BKNIN Birth to Kindergarten (p. 323)
- BUSA Business Administration (p. 324)

C

- CENG Civil Engineering (p. 325)
- CHBE Comm Hlth Behavior & Ed (http://catalog.georgiasouthern.edu/academics/course-descriptions/chbe/)
- CHEM Chemistry (p. 329)
- CHFD Child and Family Devel (p. 332)
- CHIN Chinese (p. 334)
- CIED Valdosta State-Franchise (http://catalog.georgiasouthern.edu/academics/course-descriptions/cied/)
- CISM Computer Infor Systems (p. 335)
- COED PBB Practicum (p. 337)
- COHE Community Health (http://catalog.georgiasouthern.edu/academics/course-descriptions/cohe/)
- COML Comparative Literature (p. 337)
- COMM Communication Arts (p. 338)
- COMS Communication Studies (p. 339)
- COOP Cooperative Education Pro (p. 340)
- COUN Counseling Education (http://catalog.georgiasouthern.edu/academics/course-descriptions/coun/)
- CRJU Criminal Justice (p. 341)
- CSCI Computer Science (p. 344)
- CSDS Communication Disorders (p. 350)
- CVIS Cardiovascular/Interven (p. 353)

D

- DDTS Diagnostic & Therapeutic (p. 354)

E

- ECE Elect/Computer Engineering (p. 354)
- ECEG Early Childhood (http://catalog.georgiasouthern.edu/academics/course-descriptions/eceg/)
- ECON Economics (p. 354)
- EDAT Accomplished Teaching (http://catalog.georgiasouthern.edu/academics/course-descriptions/edat/)
- EDCI-Education GAState Franchi (http://catalog.georgiasouthern.edu/academics/course-descriptions/edci/)
- EDET Education-GOML (http://catalog.georgiasouthern.edu/academics/course-descriptions/edet/)
- EDLD Educational Leadership (http://catalog.georgiasouthern.edu/academics/course-descriptions/edld/)
- EDMS Ed Acpslish Teach CSU-GML (http://catalog.georgiasouthern.edu/academics/course-descriptions/edms/)
- EDMT Educ Math-GOML (http://catalog.georgiasouthern.edu/academics/course-descriptions/edmt/)
- EDRD Georgia State Univ Franch (http://catalog.georgiasouthern.edu/academics/course-descriptions/edrd/)
- EDSC Sci for Teachers (p. 357)
- EDUC Curriculum (p. 357)
- EDUF Educational Foundations (p. 358)
- EDUR Educational Research (p. 358)
- EEELE Early Elementary Edu (http://catalog.georgiasouthern.edu/academics/course-descriptions/eele/)
- EEN Electrical Engineering (p. 359)
- EEXE Exceptional Education (http://catalog.georgiasouthern.edu/academics/course-descriptions/eexe/)
- EGC East Georgia College (p. 361)
- ELEM Elementary Education (p. 362)
- ENGL English (p. 362)
- ENGR Engineering (p. 366)
- ENVH Environmental Hlth Scienc (http://catalog.georgiasouthern.edu/academics/course-descriptions/envh/)
- ENVS Environmental Science (p. 368)
- EPID Epidemiology (http://catalog.georgiasouthern.edu/academics/course-descriptions/epid/)
- EPRS Georgia State Univ Franch (http://catalog.georgiasouthern.edu/academics/course-descriptions/eprs/)
- EPSF Education Foundations-GML (http://catalog.georgiasouthern.edu/academics/course-descriptions/epsf/)
- EPY ED Psy GOML (http://catalog.georgiasouthern.edu/academics/course-descriptions/epy/)
- ESED School Psych (p. 370)
- ESDS Sci for Teachers (p. 370)

F

- FACS Family and Consumer Sci (p. 370)
- FILM Film (p. 371)
- FINC Finance (p. 371)
- FMAD Fash Merchan/Apparel Des (p. 373)
- FORL Foreign Language (p. 374)
- FOUN Education Foundations (http://catalog.georgiasouthern.edu/academics/course-descriptions/foun/)
• FRCT Curriculum Theory (http://catalog.georgiasouthern.edu/academics/course-descriptions/frct/)
• FREC Early Childhood (http://catalog.georgiasouthern.edu/academics/course-descriptions/frec/)
• FREN French (p. 375)
• FRER Educational Research (http://catalog.georgiasouthern.edu/academics/course-descriptions/frer/)
• FRIT Instructional Technology (http://catalog.georgiasouthern.edu/academics/course-descriptions/frit/)
• FRLT Educational Foundations (http://catalog.georgiasouthern.edu/academics/course-descriptions/frlt/)
• FRMS Middle & Secondary Ed (http://catalog.georgiasouthern.edu/academics/course-descriptions/frms/)
• FYE First-Year Experience (p. 378)

G
• GCM Graphic Comm Management (p. 378)
• GEOG Geography (p. 380)
• GEOL Geology (p. 382)
• GEPH General Public Health (http://catalog.georgiasouthern.edu/academics/course-descriptions/geph/)
• GERF Gerontology (p. 385)
• GFA Georgia Film Academy (p. 385)
• GRMN German (p. 385)
• GSU CIR Placeholder Course (p. 386)
• GSU GSU (p. 387)
• GWST Gender and Women's Stud (p. 387)

H
• HADM Health Administration (http://catalog.georgiasouthern.edu/academics/course-descriptions/hadm/)
• HIST History (p. 387)
• HITC Health Informatics (p. 394)
• HLPR Health Professions (p. 395)
• HLTH Health (p. 395)
• HNRM Hotel and Restaurant Mgt (p. 396)
• HONS Honors College (p. 397)
• HSCA Health Sciences Adm (p. 397)
• HSCC Health Sciences, Core (p. 397)
• HSCF Health Sci Fitness Mgmt (p. 398)
• HSCG Health Sci Generalist (p. 398)
• HSCP Health Sci Public Health (p. 399)
• HSPM Hlth Service Policy Mgmt (http://catalog.georgiasouthern.edu/academics/course-descriptions/hspm/)
• HUMN Humanities (p. 399)

I
• IDS Interdisciplinary Studies (p. 399)
• INDS Interior Design (p. 400)
• INTS International Studies (p. 401)
• IPSE Inclusive Post-Sec Ed (p. 404)
• IRSH Irish Studies (p. 404)
• ISCI Science-Teach/Learn (p. 405)
• IT Information Technology (p. 405)
• ITEC Instructional Tech Ed (p. 408)
• ITW Information Technology Web (p. 408)

J
• JAPN Japanese (p. 410)

K
• KINS Kinesiology (p. 411)

L
• LAST Latin American Studies (p. 418)
• LATN Latin (p. 418)
• LEAD Leadership (p. 419)
• LESP Learning Support (p. 419)
• LING Linguistics (p. 419)
• LOGT Log/Intermodal Transpor. (p. 421)
• LSCM Logistics Supply Chain Mg (http://catalog.georgiasouthern.edu/academics/course-descriptions/lscm/)
• LSTD Legal Studies (p. 422)
• LWSO Law and Society (p. 422)

M
• MAED Math Education (http://catalog.georgiasouthern.edu/academics/course-descriptions/maed/)
• MATH Mathematics (p. 422)
• MEDT Medical Tech (p. 427)
• MENG Mechanical Engineering (p. 428)
• METR Meteorology (p. 431)
• MFGE Manufacturing Engineering (p. 431)
• MGED Middle Grades Education (p. 435)
• MGMS Valdosta State Franchise (p. 435)
• MGNT Management (p. 436)
• MGSE Middle Grades/Secondary (p. 437)
• MHA Health Services Admin (p. 437)
• MKTG Marketing (p. 437)
• MMFP Multimedia Film & Prod (p. 438)
• MMJ Multimedia Journalism (p. 440)
• MSCI Military Science (p. 441)
• MSED Middle Grades & Second Ed (p. 443)
• MUSA Applied Music (p. 443)
• MUSC Music (p. 443)
• MUSE Music Ensemble (p. 448)

N
• NMLI Nonprofit Mgmt, Lead Inno (p. 449)
• NSCI Naval Science (p. 450)
• NTFS Nutrition and Food Science (p. 451)
• NUCM Nuclear Medicine Course (p. 453)
• NURS Nursing (p. 453)

O
• OCEA Oceanography (p. 459)
• ONTL Online Teaching & Learning (http://catalog.georgiasouthern.edu/academics/course-descriptions/ontl/)
• OSCM Operations and Supply Chain Management (p. 460)
P

- PBAD Public Administration (p. 460)
- PBHS Public History (http://catalog.georgiasouthern.edu/academics/course-descriptions/pbhs/)
- PBIS Positive Behav Interventi Supp (http://catalog.georgiasouthern.edu/academics/course-descriptions/pbis/)
- PEAT Physical Edu, Ath Train (p. 461)
- PEBC Physical Edu Activities (p. 461)
- PECL Physical Edu, Curr & Ins (http://catalog.georgiasouthern.edu/academics/course-descriptions/pecl/)
- PEEC Physical Education Elec (p. 463)
- PEHM Phys Edu/Health Major (p. 463)
- PHIL Philosophy (p. 464)
- PHLD Public Health Leadership (http://catalog.georgiasouthern.edu/academics/course-descriptions/phld/)
- PHI Physical Sc (p. 466)
- PHTH Physical Therapy (http://catalog.georgiasouthern.edu/academics/course-descriptions/phth/)
- PHYS Physics (p. 466)
- POLS Political Science (p. 468)
- PRCA Public Relations (p. 473)
- PSYC Psychology (p. 474)
- PSYH Psychology-GOML (p. 478)
- PUBH Public Health (p. 478)

R

- RADR Radiography (p. 481)
- RADS Radiologic Sciences (p. 481)
- RDSC Radiologic Science (p. 487)
- READ Reading (p. 487)
- REC Recreation (p. 488)
- RELS Religious Studies (p. 490)
- RESP Respiratory Therapy (p. 491)
- RHAB Rehabilitation Sciences (p. 492)
- RLC Residential Life Communities (p. 492)
- RTHR Radiation Therapy (p. 493)

S

- SABR Study Abroad (p. 493)
- SCED Secondary Education (p. 493)
- SCIE Science (p. 494)
- SEAC Valdosta State Franchise (p. 494)
- SEG Valdosta State Franchise (p. 495)
- SERD GOML Valdosta (http://catalog.georgiasouthern.edu/academics/course-descriptions/serd/)
- SLPA Speech/Language Path (p. 495)
- SMED Sports Medicine (p. 495)
- SMGT Sport Management (p. 496)
- SOAR Student Orientation & Registra (p. 497)
- SOCI Sociology (p. 497)
- SONO Sonography (p. 499)
- SPAN Spanish (p. 500)
- SPED Special Education (p. 503)
- SSCI Social Science (p. 504)
- STAT Statistics (p. 504)
- SUST Sustainability (p. 507)

T

- TCGT General Technology (p. 508)
- TCLD Teach CULT Div Stdnt (p. 508)
- TCM Construction Management (p. 508)
- TFG Technology-Fort Gordon (http://catalog.georgiasouthern.edu/academics/course-descriptions/tfg/)
- TGET Engineering Tech - Grad (http://catalog.georgiasouthern.edu/academics/course-descriptions/tget/)
- THEA Theatre (p. 511)
- TMAE Applied Engineering (p. 514)
- TMFG Manufacturing Technology (p. 516)
- TSEC Safety and Environ Compl (p. 516)
- TSIE North Georgia-Franchise (http://catalog.georgiasouthern.edu/academics/course-descriptions/tsle/)

W

- WBIT Web BSIT (p. 517)
- WBUS Web Bus Admin (http://catalog.georgiasouthern.edu/academics/course-descriptions/wbus/)
- WGSS Womens Gender Sexuality (p. 519)
- WLST Web Legal Studies (http://catalog.georgiasouthern.edu/academics/course-descriptions/wlst/)
- WMAC Web Masters of Accounting (http://catalog.georgiasouthern.edu/academics/course-descriptions/wmac/)
- WMBA Web MBA (p. 519)
- WRIT Writing (p. 519)

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.

- 1 Freshman
- 2 Sophomore
- 3 Junior
- 4 Senior
- 5 dual Undergraduate/Graduate

The second digit in the course number indicates the course type.

- 1-5 Traditional course format/Example: Lecture and Lab
- 6-7 Internships and Practica
- 8 Independent Study
- 9 Research
- 0 Topics courses

The fourth digit indicates the sequence of the course.
### College Abbreviations

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<thead>
<tr>
<th>Abbreviation</th>
<th>Department/College Description</th>
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<tr>
<td>CAH</td>
<td>College of Arts and Humanities</td>
</tr>
<tr>
<td>CBSS</td>
<td>College of Behavioral and Social Sciences</td>
</tr>
<tr>
<td>COB</td>
<td>Parker College of Business</td>
</tr>
<tr>
<td>COE</td>
<td>College of Education</td>
</tr>
<tr>
<td>CEC</td>
<td>Allen E. Paulson College of Engineering and Computing</td>
</tr>
<tr>
<td>CHP</td>
<td>Waters College of Health Professions</td>
</tr>
<tr>
<td>COPH</td>
<td>Jiann-Ping Hsu College of Public Health</td>
</tr>
<tr>
<td>COSM</td>
<td>College of Science and Mathematics</td>
</tr>
<tr>
<td>VPAA</td>
<td>Office of Vice President for Academic Affairs</td>
</tr>
</tbody>
</table>

#### Interdisciplinary Courses
Courses offered by more than one department and/or college

### Course Prefixes

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Description</th>
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</thead>
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<tr>
<td>AAST</td>
<td>Africana Studies</td>
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<tr>
<td>ACCT</td>
<td>Accounting</td>
</tr>
<tr>
<td>AFAS</td>
<td>African American Studies</td>
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<tr>
<td>ANTH</td>
<td>Anthropology</td>
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<tr>
<td>APAN</td>
<td>Applied Anthropology</td>
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<tr>
<td>ARAB</td>
<td>Arabic</td>
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<tr>
<td>ARCH</td>
<td>Archaeology</td>
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<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>ARTG</td>
<td>Art Graphic Design</td>
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<tr>
<td>ARTH</td>
<td>Art History</td>
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<tr>
<td>ARTS</td>
<td>Art</td>
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<td>ASTR</td>
<td>Astronomy</td>
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<tr>
<td>BIOL</td>
<td>Biology</td>
</tr>
<tr>
<td>BKN</td>
<td>Birth to Kindergarten</td>
</tr>
<tr>
<td>BUSA</td>
<td>Business Administration</td>
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<tr>
<td>CENG</td>
<td>Civil Engineering</td>
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<tr>
<td>CHEM</td>
<td>Chemistry</td>
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<tr>
<td>CHFD</td>
<td>Child and Family Development</td>
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<tr>
<td>CHIN</td>
<td>Chinese</td>
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<tr>
<td>CJSM</td>
<td>Computer Information Systems</td>
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<td>COED</td>
<td>College of Education</td>
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<tr>
<td>COML</td>
<td>Comparative Literature</td>
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<td>COMM</td>
<td>Communication Arts</td>
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<td>COMS</td>
<td>Communication Studies</td>
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<tr>
<td>COOP</td>
<td>Cooperative Education</td>
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<tr>
<td>CORE</td>
<td>Core Curriculum</td>
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<td>CRJU</td>
<td>Criminal Justice</td>
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<tr>
<td>CSCI</td>
<td>Computer Science</td>
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<tr>
<td>CSDS</td>
<td>Communication Disorders</td>
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<tr>
<td>CVIS</td>
<td>Cardiovascular Interventional Sciences</td>
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<tr>
<td>DDTS</td>
<td>Diagnostic &amp; Therapeutic</td>
</tr>
<tr>
<td>ECE</td>
<td>Electrical/Computer Engineering</td>
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<tr>
<td>ECEG</td>
<td>Early Childhood Education</td>
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<tr>
<td>ECON</td>
<td>Economics</td>
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<tr>
<td>EDSC</td>
<td>Education Science</td>
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<td>EDUC</td>
<td>Curriculum</td>
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<td>EDUF</td>
<td>Educational Foundations</td>
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<td>EDUR</td>
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<td>EENG</td>
<td>Electrical Engineering</td>
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<td>ELEM</td>
<td>Elementary Education</td>
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<td>ENGL</td>
<td>English</td>
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<td>ENGR</td>
<td>Engineering</td>
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<tr>
<td>ENVS</td>
<td>Environmental Science</td>
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<tr>
<td>ESED</td>
<td>Early Childhood-Secondary Education</td>
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<tr>
<td>ESL</td>
<td>English Second Language</td>
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<td>ETHC</td>
<td>Ethics</td>
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<tr>
<td>EURO</td>
<td>European Union</td>
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<tr>
<td>FACS</td>
<td>Family and Consumer Science</td>
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<tr>
<td>FILM</td>
<td>Film</td>
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<tr>
<td>FINC</td>
<td>Finance</td>
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<tr>
<td>FMAD</td>
<td>Fashion Merchandising/Apparel Design</td>
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<tr>
<td>FORL</td>
<td>Foreign Language</td>
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<td>FREN</td>
<td>French</td>
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<tr>
<td>FSCI</td>
<td>Forensic Science</td>
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<tr>
<td>FYE</td>
<td>First-Year Experience</td>
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<tr>
<td>GCM</td>
<td>Graphic Communications Management</td>
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<tr>
<td>GEOG</td>
<td>Geography</td>
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<tr>
<td>GEOL</td>
<td>Geology</td>
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<tr>
<td>GERO</td>
<td>Gerontology</td>
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<tr>
<td>GFA</td>
<td>Georgia Film Academy</td>
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<tr>
<td>GRMN</td>
<td>German</td>
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<tr>
<td>GSU</td>
<td>Georgia Southern University</td>
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<tr>
<td>GWST</td>
<td>Gender and Women's Studies</td>
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<tr>
<td>HIST</td>
<td>History</td>
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<tr>
<td>HITC</td>
<td>Health Informatics</td>
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<tr>
<td>HLTH</td>
<td>Health</td>
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<tr>
<td>HONS</td>
<td>Honors</td>
</tr>
<tr>
<td>HNRM</td>
<td>Hotel and Restaurant Management</td>
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<tr>
<td>HSEM</td>
<td>Homeland Security and Emergency Management</td>
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<tr>
<td>HUMN</td>
<td>Humanities</td>
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<tr>
<td>IDS</td>
<td>Interdisciplinary Studies</td>
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<td>INDS</td>
<td>Interior Design</td>
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<tr>
<td>INTS</td>
<td>International Studies</td>
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<tr>
<td>IPSE</td>
<td>Inclusive Post Secondary Education</td>
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<td>IRSH</td>
<td>Irish Studies</td>
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<tr>
<td>ISCI</td>
<td>Science, Teaching and Learning</td>
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<tr>
<td>IT</td>
<td>Information Technology</td>
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<td>ITEC</td>
<td>Instructional Technology Education</td>
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<td>KINS</td>
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<td>LAST</td>
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<td>Latin</td>
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<td>LEAD</td>
<td>Leadership</td>
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<tr>
<td>LESP</td>
<td>Learning Support</td>
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<td>LING</td>
<td>Linguistics</td>
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<td>LOGT</td>
<td>Logistics/Intermodal Transportation</td>
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<td>Legal Studies</td>
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<td>Mathematics</td>
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<td>MEDT</td>
<td>Medical Tech</td>
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<tr>
<td>METR</td>
<td>Meteorology</td>
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</table>
### AAST Africana Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>AAST 2000</td>
<td>Introduction to African American Studies 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3030</td>
<td>Selected Topics in Africana Studies 1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3230</td>
<td>Introduction to Africa and Its Diaspora 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3235</td>
<td>Race and Ethnicity 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3330</td>
<td>Yoruba Culture and Civilization 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3332</td>
<td>African American Theatre 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
<tr>
<td>AAST 3435</td>
<td>African Art History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.</td>
</tr>
</tbody>
</table>

Interdisciplinary introduction to African American studies from a social science perspective.  

**Prerequisite(s):** ENGL 1101.

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.

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.

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.

A minimum grade of "C" in SOCI 1101.

Cross Listing(s): SOCI 3235.

Introduction to Yoruba culture in Nigeria and other west African societies as well as the Diaspora.

Investigates the contributions of black playwrights, actors, and directors to American theatre.

Cross Listing(s): THEA 3332.

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 ARTH 2531 or ARTH 2532.
AAST 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 ARTH 2531 or ARTH 2532.  

AAST 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.  
Cross Listing(s): HIST 4134.  

AAST 4300 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): GEOG 4330.  

AAST 4373 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 environment protection. 
emphasizing the analysis of persuasive social movement discourse.  
Cross Listing(s): COMS 4337.  

AAST 4510 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.  

AAST 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.  
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 classes they have taken 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.  

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.
ACCT 3132 Intermediate Accounting II
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 2102 and ACCT 3131.

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 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" or concurrent enrollment 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 3131, 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): LSST 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) controllership, 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 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, partnerships, and limited partnerships. Prerequisite(s): A minimum grade of "C" in ACCT 3330, Accounting majors only.

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. Prerequisite(s): AAST 2000.
Cross Listing(s): AFAS 5000G.

ANTH Anthropology

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 2331 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 2431 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 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.

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 3322 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 national identity, ethnicity, economies, transnationalism, globalization, family and gender systems. Study of these issues is situated in the history of slavery and indenture in the region.

ANTH 3336 Anthropology of the Body
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course takes a biocultural anthropological approach to concerns of the body, as they relate to cultural expectations, gender, weight, health, disability, reproduction, and the state.

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 relating 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 various 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 ethnohistoric 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 anthropology’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, ethnoscience, 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.

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, with increased emphasis on active use of the language. Includes laboratory program.
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.
Study of a topic in Arabic literature, culture, society, thought or language. 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 training in the 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, design, 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. 3 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-papermaking 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 overview of sculptural processes, material 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 paper 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 3330 or ART 3331.

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 3335.

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 will 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 2330.

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. 0 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. 2 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.
Studio experiences 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 4886 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, ARTTH 2531, ARTTH 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.

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 surrealism; 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 ARTH 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 ARTH 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 ARTH 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 ARTH 3282 or permission of instructor.

ARTH 3285 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 ARTH 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 ARTH 3377 or permission of instructor.

ARTH 3435 African Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address the visual arts of Africa created during the period of African American art and design from the period of pre-colonial Africa to the contemporary United States. The course will investigate 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 ARTH 3435 or permission of instructor.

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 will investigate 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 ARTH 3436 or permission of instructor.

Cross Listing(s): AAST 3435.
**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 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, economic, 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 2532.  

**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.

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 Photograph
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 ART 2331.

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.

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 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 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 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.

Prerequisite(s): Admission to Candidacy and a pre-certification certificate from the Georgia Professional Standards Commission.

Cross Listing(s): ARTS 5410G.

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 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.

ASTR Astronomy

ASTR 1000 Introduction 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 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 3538  Physical Astronomy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The physical nature of the solar system, stars and galaxies will be studied in detail. Principles of physics will be used and illustrated, especially in the areas of mechanics, thermodynamics, physical optics, and spectral analysis.  
Prerequisite(s): PHYS 2211K or PHYS 1111K, and PHYS 2212K or PHYS 1112K.  

ASTR 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 or permission of instructor.  
Cross Listing(s): PHYS 3558.  

ASTR 3790  Teaching Internship in Astronomy  
1-2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
The internship allows students to investigate teaching practices in astronomy. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in the planetarium, and meet with the faculty mentor one hour each week.  
Prerequisite(s): A minimum grade of "D" in ASTR 1000 or ASTR 1010 or ASTR 1020 and permission from instructor.  

ASTR 4130  Astrophysics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will cover advanced topics in Astrophysics. Students will become familiar with the fundamental physics of stars. This includes stellar atmospheres, interiors, and evolution. Students will study the atomic properties of matter and its interaction with light. Students will also study techniques for observing stars using telescopes and interferometers.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

ASTR 4138  Galactic Astronomy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Galactic Astronomy will cover advanced topics in galactic structure and evolution. This includes galaxy morphology, stellar and gaseous content, stellar orbits, disk dynamics, central massive black holes, large scale structure, interactions and evolution in a cosmological setting. Students will also be introduced to the historic development of our modern view of the universe.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

ASTR 4330  Observational Techniques in Astronomy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will cover advanced topics in astronomical observing techniques. This includes the basic physical principles and methods needed to plan, obtain, and reduce photometric data of celestial objects. Students will be introduced to the principles of spherical astronomy, photoelectric detectors, atmospheric extinction and standard system transformations, and the Image Reduction and Analysis (IRAF) software package.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

ASTR 5090  Selected Topics in Astronomy  
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.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  
Cross Listing(s): ASTR 5090G.  

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.  

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 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 "C" in either CHEM 1212 and CHEM 1212L or CHEM 1212K.  

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 2100 and 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 include 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
1-3 Credit Hours.  0 Lecture Hours.  3-9 Lab Hours.
Faculty originated biochemical lab-based research project. Scientific paper required.
Prerequisite(s): A minimum grade of "D" or concurrent enrollment in CHEM 3402 and permission of department Chair.

BCHM 3900  Biochemical Research
1-3 Credit Hours.  0 Lecture Hours.  3-9 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 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 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 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 5201  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 5202  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.

BIOL Biology

BIOL 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.

BIOL 1012K  Introductory Biology and Lab
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
This course covers the evolution and diversity of organisms, including microbes, protists, fungi, plants, and animals. Additional topics include body systems, the immune system, reproduction and development, and ecology. For non-biology majors only.
Prerequisite(s): A minimum grade of "C" in BIOL 1107 and BIOL 1107L.

BIOL 1103  Concepts of Biology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
May include topics such as evolution, ecology and the environment, genetics and heredity, diversity of life, cells and cellular energy, biomolecules, and the scientific process. (Credit in this non-majors course may not be applied to the Area F requirement in biology. Course not intended for science majors or clinical health majors).

BIOL 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 BIOL 1103L and BIOL 1110L.

BIOL 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 BIOL 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): BIOL 1107L.

BIOL 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 BIOL courses. Prerequisite(s): Prior or concurrent enrollment in MATH 1111 or MATH 1001 or MATH 1113 and ENGL 1101.
Corequisite(s): BIOL 1107.
BIOL 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, phylegony 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 BIOL courses. Prerequisite(s): A minimum grade of "C" in BIOL 1107 and BIOL 1107L.
Corequisite(s): BIOL 1108L.

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 1230L Environmental Biology Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Laboratories that teach the basic concepts of environmental biology and ecology, and their relevance to current environmental concerns (e.g., biodiversity loss, climate change, invasive species, energy use, water resources, air pollution, sustainability). Laboratory and field activities emphasize the scientific method of inquiry and promote the development of observation, analysis, and communication skills.

BIOL 1320 Diversity of Life
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the major domains of life, including prokaryotic and eukaryotic groups, as well as viruses. Prerequisite(s): Prior or concurrent enrollment in ENGL 1101.

BIOL 1330 Human Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Structure and function of human organ systems, human heredity, evolution, and ecology. Prerequisite(s): Prior or concurrent enrollment in ENGL 1101.

BIOL 1331 Insects and People
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the role insects and other arthropods serve in relation to humans. Insect-human interactions in the home, yard, garden, workplace, recreational areas, and human body are included. Considerations of the natural history, life cycles and optional human actions regarding pests, beneficial insects, insects and disease, insects and food, and aesthetics is included.

BIOL 1335 Plants and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to major groups of economic plants and their role in the origin and maintenance of civilization. The course also deals with plant biodiversity and the potential impact of biological losses.

BIOL 2010 Principles of Microbiology
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Genetics, classifications and methods of control of bacteria, fungi, protozoa and viruses, with introduction to medical, industrial and environmental microbiology. Students receiving credit for this course may not receive credit for BIOL 4240. (Not intended for pre-health professions students.) Prerequisite(s): BIOL 1108 and BIOL 1108L, and CHEM 1211K, or CHEM 1211 & CHEM 1211L.

BIOL 2081 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, somatic, and autonomic nervous systems and special senses.
Cross Listing(s): KINS 2531.

BIOL 2081L 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 Human Anatomy and Physiology I. The experiences will be structured to encourage critical thinking, understanding of scientific methodology and the application of scientific principles.
Cross Listing(s): KINS 2511.

BIOL 2082 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 Human Anatomy and Physiology I and includes the endocrine 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 BIOL 2081 or KINS 2531. Cross Listing(s): KINS 2532.

BIOL 2082L 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 Human Anatomy and Physiology II. The experiences will be structured to encourage critical thinking, understanding of scientific methodology, and the application of scientific principles.
Prerequisite(s): A minimum grade of "C" in BIOL 2081L or KINS 2511. 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.  0.3 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 2320 Honors Research Methods Biology  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.  
Provides Departmental Honors in Biology students an overview of 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.  0-3 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 and BIOL 1108L and 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 (macromolecular processes 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 and CHEM 1211K or CHEM 1211 and 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): A minimum grade of "D" in 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): A minimum grade of "D" in 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 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 4150 Horticulture  
4 Credit Hours.  3 Lecture Hours.  2 Lab Hours.  
Basic garden 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): A minimum grade of "C" in 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): A minimum grade of "C" in 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): A minimum grade of "C" in 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 mathematic models to biological processes is emphasized.  
Prerequisite(s): A minimum grade of "C" in 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): A minimum grade of "C" in 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 report presentation of the results must be presented at the end of the semester.
Prerequisite(s): A minimum grade of "C" in 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 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 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 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 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 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 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5141G.

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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5142G.
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 5150 Cancer Biology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to carcinogenesis with an emphasis on the genetic, molecular, and cellular mechanisms regulating cancer initiation, progression, and metastasis.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5150G.

BIOL 5160 Plant Physiology  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Physiologic processes occurring in plants and the conditions which affect these processes.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134 and BIOL 2120 or BIOL 3535.  
Cross Listing(s): BIOL 5160G.

BIOL 5200 Mammalian Physiology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
General physiologic processes of mammals.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5200G.

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 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): A minimum grade of "C" in 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 5240 Histology  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Examines the origin, development, structure and function of vertebrate tissues.  
Prerequisite(s): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5240G.

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 5242 Developmental Biology  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
This course is an introduction to the principles of animal and plant development. The focus is on how male and female gametes fuse to form a zygote and how a single-celled zygote develops into an animal with multiple organs with specialized function. This course will cover the molecular and cellular mechanisms involved in fertilization and early embryonic development, molecular signaling involved in development of organs and organ systems, the concept of stem cells and regeneration, and cellular and molecular signaling mechanisms in plant development. Students will see the fundamental conservation of molecular and cellular mechanisms across animals and plants during development as an important example of evolution.  
Prerequisite(s): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5242G.

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 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.  
Cross Listing(s): BIOL 5246G.

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.  
Cross Listing(s): BIOL 5247G.

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.  
Cross Listing(s): BIOL 5248G.

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.  
Cross Listing(s): BIOL 5250G.
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.
Cross Listing(s): BIOL 5260G.

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 vector-borne and tropical diseases.
Prerequisite(s): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5333G.

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 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 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5343G.

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 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 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 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 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 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 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 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 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.
Cross Listing(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

Prerequisite(s): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5446G.

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 5446 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5446G.

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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5448G.

BIOL 5460 Phylogeny
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 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5470G.

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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5500G.

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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5520G.

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 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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5534G.

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): A minimum grade of "C" in BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5537G.

BIOL 5541 Tropical Marine Biology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This is an intensive 2-week field course conducted at a tropical marine field station. Through daily lectures and field excursions, students are exposed to the natural history and ecology of a variety of marine organisms and ecosystems that may include mangroves, sea grasses, rocky shores and coral reefs. Additional fees required.

Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134 and permission of instructor.

Cross Listing(s): BIOL 5541G.

BIOL 5542 Aquatic Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Covers the biological and physiochemical factors that affect common organisms found in local aquatic ecosystems, including streams and rivers, wetlands, estuaries, and lakes.

Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5542G.

BIOL 5543 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.

Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134 and permission of instructor.

Cross Listing(s): BIOL 5543G.

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.
BIOI 5547 Marine Ecology  
4 Credit Hours. 3 Lecture Hours. 0 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): A minimum grade of "C" in BIOI 3131 and BIOI 3133 and BIOI 3134.  
Cross Listing(s): BIOI 5547G.

BIOI 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): BIOI 3131 and BIOI 3133 and BIOI 3134.  
Cross Listing(s): BIOI 5570G.

BIOI 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): BIOI 3131 and BIOI 3133 and BIOI 3134.  
Cross Listing(s): BIOI 5644G.

BIOI 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): BIOI 3131 and BIOI 3133 and BIOI 3134.  
Cross Listing(s): BIOI 5645G.

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 which cultural 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 the 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 on 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
generate 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
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 1112 or Math 1122 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 USA 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 4131 Strategic Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The major purpose of this course is to develop an understanding of the strategic management process and enable students to integrate the functional areas of business.
Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 3132, FINC 3131, OSCM 3430, MKTG 3131 and MGNT 3130.

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, classification models, factor analysis, cluster analysis and text mining. The course will provide instruction in and utilize high level programming languages.
Prerequisite(s): A minimum grade of "C" in BUSA 3131.

BUSA 4134 Advanced Business Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover, but will not be limited to, time series forecasting, Monte Carlo simulation, discrete event simulation, linear and nonlinear optimization, decision theory, and regression trees. The focus will be on the problem-solving process and application and interpretation of results. The course will provide instruction in utilizing high level programming languages.
Prerequisite(s): A minimum grade of "C" in BUSA 3131.

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.
Prerequisite(s): Approval of Director of COBA Undergraduate Research

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 1310.

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 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.
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 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 3233.

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. 0.2 Lecture Hours. 0.2 Lab Hours.
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 3233.

CENG 3333 Reinforced Concrete Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
The course covers characteristics of concrete materials; introduction to
ACI Building Code requirements for reinforced concrete; strength 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,
slope 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 Lecture Hours. 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" or concurrent enrollment 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
non-technical skills in solving problems. The senior project course involves
design 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 320 documented contact hours of employment per work assignment with the selected employer are required for course credit.
Prerequisite(s): A minimum grade of "C" in 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 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 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 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 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): A minimum grade of "C" in CENG 2131 or permission of instructor.
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. A minimum grade of "C" in CENG 3132 or permission of instructor.

CENG 5231 Pavement Analysis and Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course provides an introduction to different approaches to pavement analysis and design, including flexible and rigid pavement design, preservation, rehabilitation, and management. A minimum grade of "C" in CENG 3232 and CENG 3233 or permission of instructor.

CENG 5232 Foundation Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course provides an introduction to foundation design methods, including shallow foundations, slope stability analysis, pile foundations, and retaining walls. A minimum grade of "C" in CENG 3232 or permission of instructor.

CENG 5234 Asphalt Mix Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The 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. A minimum grade of "C" in CENG 3232 or permission of instructor.

CENG 5331 Advanced Structural Analysis
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course covers the analysis of statically indeterminate structures. Classical and modern methods, such as the slope-deflection approach and the matrix-based stiffness method of analysis for indeterminate trusses, beams, and frames are presented. Additionally, a commercially available software package, for structural analysis, is employed to model and analyze relatively larger structures, requiring computational assistance. A minimum grade of "C" in CENG 1731 and CENG 3331 or MATH 2160 or permission of instructor.

Cross Listing(s): CENG 5331G.
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 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 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 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 ENGR 2232 and CENG 5331 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5335G.

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 2160 and CENG 3331 or permission of instructor.
Cross Listing(s): CENG 5336G.

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.
Prerequisite(s): A minimum grade of "C" in CENG 5331 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5337G.

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 5333 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5338G.

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.
Prerequisite(s): A minimum grade of "C" in CENG 5331 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5339G.

CENG 5431  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.
Prerequisite(s): A minimum grade of "C" in CENG 2231 or TCM 2233 or permission of instructor.
Cross Listing(s): CENG 5431G.

CENG 5432  Introduction to GIS in Surveying-Geomatics and Transportation
3 Credit Hours.  3 Lecture Hours.  0 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 2231 or TCM 2233 or permission of instructor.
Cross Listing(s): CENG 5432G.

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 permission of instructor.
Cross Listing(s): CENG 5433G.

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 TCM 2233 or permission of instructor.
Cross Listing(s): CENG 5434G.
CHEM 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): CENG 5435G.

CHEM 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.

CHEM 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 permission of instructor.  
Cross Listing(s): CENG 5438G.

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 class-room 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 2072.

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  
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 1211L or CHEM 1211K or prior or concurrent enrollment in CHEM 1212L.

CHEM 1212K Principles of Chemistry II  
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.

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 3401L  Organic Chemistry I Lab
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
This course covers the lab content and experiments of Organic Chemistry I - only for students who completed the 3 cr hr lecture of Organic I and need the fourth credit hour and content.
Prerequisite(s): Permission of instructor.

CHEM 3402  Organic Chemistry II
4 Credit Hours.  0.3 Lecture Hours.  0.3 Lab Hours.
A continuation of CHEM 3401 focusing on alkenes, 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 3402L  Organic Chemistry II Lab
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
This course covers the lab content and experiments of Organic Chemistry II - only for students who completed the 3 cr hr lecture of Organic II and need the fourth credit hour and content.
Prerequisite(s): Permission of instructor.

CHEM 3501  Introduction to Quantum Chemistry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A course covering quantum mechanics and its application to chemical research. Topics include the computational methods and model chemistries, single-point energy calculations, geometry optimizations, relative energies and stability 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 3502  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. Each credit hour per laboratory section of CHEM 1040 in which the student interns.
Prerequisite(s): A minimum grade of "D" in CHEM 2900 or CHEM 3401 and permission from the instructor.

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 feedstocks 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 BCHM 5201.
Cross Listing(s): BCHM 4210.

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 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): BCHM 4220.

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 3402.

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 is an introductory course in solid state chemistry. It will cover synthesis, structure-property relationships and common characterization techniques for solid materials. The lab component will cover select syntheses and characterization techniques of extended solids, focusing on phase transition and Powder X-ray diffraction structure determinations, and Rietveld Refinement techniques.
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 3402.

CHEM 4410 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.
CHFD 1131 Introduction to Family Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

CHFD 2130 Family Economic Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the consumer in American society, management of family resources, legal protection and consumer responsibility in the marketplace.
Prerequisite(s): CHFD majors only.

CHFD 2135 Child Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes development from conception through the first eight years. Students will review research, theory, and practice that contribute to the developmental trajectory of young children, utilizing a whole child approach.

CHFD 2136 Intro to Family Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131.

CHFD 2137 Lifespan Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

CHFD 3130 Research Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.

CHFD 3131 Birth to 5 Methods
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135 and a completion of criminal background check and fingerprint procedure.

CHFD 3133 Diversity in Human Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135.
CHFD 3135 Youth Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD
2135.

CHFD 3136 Adult Development and Later Life
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131.

CHFD 3137 Introduction to Child Life
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD
2135.

CHFD 3139 Parent Education and Guidance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD
2135.

CHFD 3232 Sexuality in Human Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD
2135.

CHFD 3234 Young Children with Special Needs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" and prior or concurrent
enrollment in CHFD 3131.

CHFD 3235 Therapeutic Benefits of Play in Child Life
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD
2135.

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 CHFD 1131, CHFD 2135, CHFD
2136.

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 3131.

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 (eg. 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 and 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.

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 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.

CHIN 4185 Studies Abroad: Speaking II  
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 advanced-level skills and which are related thematically to the country/culture visited.  
Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 4385 Studies Abroad: Writing II  
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 advanced-level skills and which are related thematically to the country/culture visited.  
Prerequisite(s): A minimum grade of "C" in CHIN 2002.
CISM Computer Information 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 to 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, ethics, email, Internet, and the computer marketplace.

CISM 1130 Computers and Applications
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 routinely 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 informational 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.
An introductory computer programming course on using an object-oriented programming language to solve business problems. Students will learn basic programming concepts which include data types, control flow, and graphical user interface-based applications. The examples and problems are drawn from the areas of enterprise systems and business analytics.
Prerequisite(s): A minimum grade of "C" in BUSA 1105.

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 database design and implementation with a focus on relational database systems and structured query language (SQL). Other topics include database management, data warehouses, and related applications.
Prerequisite(s): A minimum grade of "C" in CISM 2030 and CISM 3131.

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 and CISM 3131.

CISM 4135 General Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course focuses on principles and processes of traditional project management, specifically as they relate to the development of information systems to solve business problems. Students will learn the principles of defining, planning, tracking progress and closing of projects. 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.

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 4137 Project Management for Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course focuses on principles and processes of managing analytics projects. This course applies agile principles to solve analytics problems. Students will be exposed to current analytics life cycle management methodologies. These methodologies will be employed in the context of an agile project process. Students will execute several cycles of analytics projects using tools learned in previous courses to answer analytics questions.
Prerequisite(s): A minimum grade of "C" in CISM 3131 and CISM 4437.

CISM 4138 Agile Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course focuses on principles and processes of agile project management, specifically as they relate to the development of information systems to solve business problems. This course builds on the principles of Object-Oriented Analysis and Design as they are applied in an agile environment. The students will have an opportunity to work with current agile techniques and methodologies to emphasize the application of these concepts.
Prerequisite(s): A minimum grade of "C" in CISM 3131 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 3131 or IT 3233.
CISM 4434 Enterprise System Configuration  
3 Credit Hours. 2 Lecture Hours. 2 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 set up a manufacturing company from the ground up. Throughout the course, students will create and test the organizational structure, master data, and business rules to integrate business processes such as accounting, procurement, sales, production, and warehouse management.  
Prerequisite(s): A minimum grade of "C" in CISM 3135.  

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 web 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 Machine Learning for Business  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course covers key machine learning tools and techniques as applied within a business context, including the use of AI models for classification, association, linear model estimation, instance-based learning, and clustering. It will also include discussions of text and web mining, as well as artificial intelligence and neural networks as utilized for big data analytics. Ethical issues regarding AI and ML models will be discussed.  
Prerequisite(s): A minimum grade of "C" in BUSA 3131 and CISM 2030.  

CISM 4530 Big Data Tools and Techniques  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
This course covers the tools, techniques, and technology infrastructure that make storing, retrieving, and analyzing massive amounts of data, or big data, possible. The topics that will be covered include the Hadoop ecosystem, Spark, NoSQL databases, in-memory databases, cloud services (AWS, Azure, etc.), and big data security.  
Prerequisite(s): A minimum grade of "C" in CISM 3133.  

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.  

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.  

COML Comparative Literature  

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 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 5530 The Bible as Literature  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of the literary dimension of the English Bible. Major emphasis is upon the literary themes, types, personalities, and incidents of the Old and New Testaments.  
Prerequisite(s): A minimum grade of "C" in ENGL 2111 and ENGL 2131.  

Cross Listing(s): COML 5530G.  

COML 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): COML 2531.  

Cross Listing(s): ENGL 5533.
COMM 5536 Post-Colonial Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines and evaluates the diverse "common-wealth" of post-colonial Anglophone literature written by authors from countries that were formerly part of the British Empire: Africa, Australia, Canada, the Indian subcontinent, Ireland, New Zealand, Southeast Asia, and the West Indies. Highlights the use of a variety of reading and critical strategies to analyze the formal and linguistic complexities and innovations of this literature.
Prerequisite(s): A minimum grade of "C" in ENGL 2131.
Cross Listing(s): COML 5536.

COMM Communication Arts

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
1-3 Credit Hours. 1-3 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 3360 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.
COMS 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.

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, and COMS 2330 or PRCA 4330.

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 3331 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 the 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: Language Use, Meaning, Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies the relationship between symbol use and meaning from traditions of General Semantics (as established by Alfred Korzybski), semiotic, and constructionist thought. Focuses on the use of signs and symbols and implications for nonverbal and oral communication in personal relationships, social settings, and cultural contexts.
COMS 4336 Performance, Culture, 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 who have completed a minimum of 24 hours of upper division COMS coursework. A maximum of three hours may be applied to the major. To intern, students must have a minimum 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 5030 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.
Prerequisite(s): Permission of instructor.
Cross Listing(s): COMS 5030G.

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 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 5332 Nonverbal Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An introduction to the processes, theories, 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 5333 Communication and Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

COMS 5334 Interpersonal Communication in the Workplace
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An introduction to the theories, processes and effects of communication within the unique contexts of interpersonal communication. Topics may include superior-subordinate communication, interviewing, and presentations.
Prerequisite(s): A minimum grade of "C" in COMM 1100 or COMM 1110.

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.

COOP Cooperative Education Program
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 the student. "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.

COOP 3090P Junior 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): Junior standing.

COOP 4090F Senior 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): Senior standing.

COOP 4090P Senior 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): Senior standing.

CRJU Criminal Justice

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 United States; 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 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 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): A minimum grade of "C" or better in CRJU 1100.

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): A minimum grade of "C" or better in CRJU 1100.

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 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
3 Credit Hours. 3 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 3232 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. 3 Lecture Hours. 0 Lab Hours.
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.

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 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, inference, 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 Victimology
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 emphases 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 by 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 of "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 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 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.  
This seminar is designed 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 4911 Senior Seminar CRJU  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
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 CRJU 5010.  
Cross Listing(s): CRJU 5003G.
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  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  5010.
Cross Listing(s): CRJU  5020G.
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  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  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.

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, 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.

CSCI  3231   Logic Circuits and Microprocessors
3 Credit Hours.  0,2 Lecture Hours.  0 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 Filed 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 or CSCI 3232.

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 3422  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.  
High performance software development for modern hardware.  
Introduction to multi-threaded and parallel computing concepts.  
Optimization techniques for practical parallel algorithms. Programming  
required.  
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 Prod 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  
comprising 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.
Prerequisites: A minimum grade of "C" in CSCI 2490 or CSCI 3232 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 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 4890  Directed Study in Computer Science
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed study under faculty supervision. Seminar with at least one hour to
be used as student engagement in service work.
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 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 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 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 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 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.
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or CSCI 3341 and
STAT 1401.
Cross Listing(s): CSCI 5332G.

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.
Prerequisite(s): A minimum grade of "C" in CSCI 3230.
Cross Listing(s): CSCI 5335G.

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).
Prerequisite(s): A minimum grade of "C" in CSCI 1302.
CSCI 5430 Artificial Intelligence  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to different paradigms for creating software that can reason, access a knowledge base, handle uncertainty, learn, communicate, perceive and act.  
Prerequisite(s): A minimum grade of "C" in CSCI 3230 and CSCI 5330 or Permission of Instructor.  
Cross Listing(s): CSCI 5430G.

CSCI 5431 Computer Security  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
Computer security theory and practice fundamentals including methods of attack, defending against attacks, privacy vs security, methods of encryption, authentication, writing secure code, web security, and network security.  
Prerequisite(s): A minimum grade of "C" in all of the following: CSCI 2120 and prior or concurrent enrollment in CSCI 5332.  
Cross Listing(s): CSCI 5431G.

CSCI 5436 Distributed Web Systems Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course involves programming methodologies for the World Wide Web. Topics include: Client-side programming, distributed transactions, remote procedure calls, component objects, server side programming and network load balancing.  
Prerequisite(s): A minimum grade of "C" in CSCI 3432.  
Cross Listing(s): CSCI 5436G.

CSCI 5437 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.  
Prerequisite(s): A minimum grade of "C" in CSCI 3230 and CSCI 3236.  
Cross Listing(s): CSCI 5437G.

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 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 3432.  
Cross Listing(s): CSCI 5530G.

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 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.  
Prerequisite(s): A minimum grade of "C" in CSCI 5332.  
Cross Listing(s): CSCI 5532G.

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 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 5130G Data Management for Math and the Sciences  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
For those majoring in Mathematics and 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): Permission of Instructor.  
Cross Listing(s): CSCI 5090.

CSCI 5130G 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 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 5331G 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 5332G 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 CSCI 5331 and STAT 1401.  
Cross Listing(s): CSCI 5332.

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 5337G 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 5432G 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 5330 or CSCI 5338 or Permission of Instructor.  
Cross Listing(s): CSCI 5532.

CSCI 5433G Artificial Intelligence  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to different paradigms for creating software that can reason, access a knowledge base, handle uncertainty, learn, communicate, perceive and act. 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 CSCI 5330 or Permission of Instructor.  
Cross Listing(s): CSCI 5430.

CSCI 5434G Operating Systems  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or Permission of Instructor.  
Cross Listing(s): CSCI 5431.

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 5437G.  
Cross Listing(s): CSCI 5438.

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 5531G Systems and Software Assurance  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A minimum grade of "C" in CSCI 3232 or CSCI 3341.  
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 5532G Distributed Web Systems Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course involves programming methodologies for the World Wide Web. Topics include: Client-side programming, distributed transactions, remote procedure calls, component objects, server side programming and network load balancing. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): CSCI 5436.

CSCI 5533G Computer Organization  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A minimum grade of "C" in CSCI 3232 or CSCI 3341.  
Prerequisite(s): A minimum grade of "C" in CSCI 5332G or Permission of Instructor.  
Cross Listing(s): CSCI 5538.
CSCI 7090 Selected Topics in Computer Science
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 7431 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  
implementations, 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 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.  
Prerequisite(s): CSCI 5230 or MATH 5330 or STAT 5531 or a  
minimum grade of "C" in MATH 7231.

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 5330G 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.  
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 the use of  
signs, fingerspelling, 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.  
This course is designed to increase recognition and recall needed to  
control 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 or equivalent or  
permission of instructor.
CSDS 1003  Deaf History and Culture  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This class provides students with an understanding of the history and culture of people who are deaf and hard of hearing. Students will learn about issues within the Deaf Community in the United States and abroad.

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 or equivalent or permission of instructor.

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 CSDS 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.  
Anatomy and physiology of areas of respiration, phonation, articulation, cerebration/nervous system and audition; functional correlates to the communication process. Supplemental lab experience required. Field experiences required.  
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, diacritical 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.  
Physiological production, acoustics, physics of speech, analysis of speech, and technology-related instrumentation available to assess the parameters of speech production.  
Prerequisite(s): A minimum grade of "C" in CSDS 2230 and CSDS 2250.

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.  
Etiology, characteristics, assessment, and treatment of the disorders of voice, cleft palate, and cerebral palsy. Field experiences may be required.  
Prerequisite(s): A minimum grade of "C" in CSDS 2240.

CSDS 3440 Aural Rehabilitation  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Principles of aural rehabilitation with hearing impaired individuals across the lifespan.  
Prerequisite(s): A minimum grade of "C" in CSDS 3410.

CSDS 3450 Speech Sound Disorders  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Etiology, characteristics, classification, 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 differences versus language disorders. 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 4151 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.
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<td>Diag/Appraisal Comm Disorders</td>
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<tr>
<td>CSDS 7141</td>
<td>Cognitive and Linguistic Foundations of Language</td>
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<tr>
<td>CSDS 7142</td>
<td>Professional and Ethical Issues in Communication Sciences and Disorders</td>
<td>3</td>
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<tr>
<td>CSDS 7143</td>
<td>Language Disorders in School-Age Children</td>
<td>3</td>
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<tr>
<td>CSDS 7144</td>
<td>Neuroanatomy and Physiology</td>
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</table>

Corequisite(s): A minimum grade of "C" in CSDS 7145.

Prerequisite(s): A minimum grade of "C" in CSDS 7137.

Corequisite(s): CSL 7137L.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136L.

Prerequisite(s): A minimum grade of "C" in CSDS 7136.

Corequisite(s): CSDS 7138.

Prerequisite(s): A minimum grade of "C" in CSDS 7137.

Corequisite(s): CSDS 7138.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137.

Corequisite(s): CSDS 7137L.

Prerequisite(s): A minimum grade of "C" in CSDS 7136.

Corequisite(s): CSDS 7137.

Prerequisite(s): A minimum grade of "C" in CSDS 7137.

Corequisite(s): CSDS 7138.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.

Prerequisite(s): A minimum grade of "C" in CSDS 7137L.

Corequisite(s): CSDS 7136.
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.
Principles of hearing and issues of intervention relevant to the practice of speech-language pathology. Study of hearing impairment, etiological factors associated with auditory habilitation and the effective use of amplification. Field experiences may be required.

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 Neur 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.

CSDS 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 muscular, cognitive, and emotional aspects of communication disorders. Field experiences may be required.
Prerequisite(s): A minimum grade of "C" in all of the following: CSDS 7150 and CSDS 7151 and CSDS 7154 and prior or concurrent enrollment in CSDS 7147.

CSDS 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.
Detailed study of anatomical structures of the larynx. Classification, etiology, evaluation, and therapeutic management of voice disorders across the life span, including laryngeal re-education. Review of theories, types, characteristic, etiologies, and treatment methods of fluency disorders across the life span. Field experience may be required.

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.
Presents an overview of the nature, assessment, and treatment of cognitive-communication disorders, including (but not limited to) communication impairments related to acquired deficits in attention, memory, problem solving, and executive function. Specific etiologies to be discussed include traumatic brain injury, dementias, and right hemisphere damage. Cultural implications of cognitive-communication disorders will be discussed. Field experience may be required.
Prerequisite(s): A minimum grade of "C" in CSDS 7144.

CSDS 7163 Research Methodology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An orientation to strategies and methodology in the design and evaluation of research in communication sciences and disorders.

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.
The study of a topic relevant to speech/language pathology.

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 Interven 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 Interc 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.
DDTS Diagnostic & Therapeutic

DDTS 3001 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.
Supervised clinical experience in cardiovascular/interventional procedures.
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.
Supervised clinical experience in cardiovascular/interventional procedures.
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.
Supervised clinical experience in cardiovascular/interventional procedures.
Prerequisite(s): A minimum grade of "C" in CVIS 3003 and CVIS 4102.

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.

ECE Elect/Computer Engineering

ECE 2000 GTREP 2000
1-15 Credit Hours. 0-30 Lab Hours.

ECE 3000 GTREP 3000
1-15 Credit Hours. 0-30 Lab Hours.

ECE 4000 GTREP 4000
1-15 Credit Hours. 0-30 Lab Hours.

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 Prin 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.
This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies.

ECON 2105M Prin 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(s): Completion of 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 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 4341 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 further 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.
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 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.

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.
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 Dev 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 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, ESED 5132.
Cross Listing(s): EDUF 5133G.

EDUF 5201 Understanding the Context of Urban Education 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course provides students with an opportunity to engage in an exploration of the issues that affect urban education from multiple frames of reference. Students will read literature that will enable them to define urban education and enhance their understanding of the social, economic and political considerations that influence conditions in urban schools. Course readings will encourage students to engage in critical and reflective analyses of the practical and theoretical challenges in U.S. urban schools. Additionally, students will engage in site-based research experiences that will enable them to identify and address an urban education-related concern in a local urban school context.
Cross Listing(s): EDUF 5201G.

EDUF 5202 Culturally Relevant Curriculum and Pedagogy in Urban Schools 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course provides a framework that empowers candidates to demonstrate their abilities to conceptualize the principles of culturally relevant/responsive/sustaining curriculum and pedagogy and critically evaluate, develop, and implement such principles in teaching, learning, assessment and evaluation practices in urban schools.
Prerequisite(s): EDUF 5201.
Cross Listing(s): EDUF 5202G.

EDUF 5203 The City as Curriculum: Partnerships and Community Engagement in Urban Schools 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
In this course, students will examine ways to utilize the city's cultural, political and economic resources to develop meaningful bonds between the school, the teacher, the families, and the community. The student will identify educational and cultural sources beyond the school in order to forge partnerships for cultural understanding, political and economic empowerment, and the application of powerful literacy and numeracy.
Prerequisite(s): A minimum grade of "C" in EDUF 5201 and EDUF 5202.
Cross Listing(s): EDUF 5203G.

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.
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, amperes' law, biot
savar 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 2330.

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 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): A minimum grade of "C" 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
2332.

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 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, fourier transform, 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 2243.

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 implementation. Students continue the
implementation process of their projects including CAE/CAD software
development, program writing, printed circuit board fabrication, systems
testing, and performance evaluation. Course requirements include weekly
progress meetings, oral presentations, a comprehensive final report, and a
final project demonstration.
Prerequisite(s): A minimum grade of "C" in EENG 4620.

EENG 4640 Electrical and Computer Engineering Senior Capstone Design
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
This course involves the development of an electrical or computer
engineering capstone project with emphasis on project research, design
and development under real engineering constraints. Topics include
background and state-of-the-art research of the particular projects, tasks
scheduling, project management, and research of ethical, environmental
and sustainability issues related to the project. Students are required to
work in teams, conduct research, develop the project design, testing and
implementation under the direction of a faculty advisor.
Prerequisite(s): A minimum grade of "C" in (CSCI 3232 and EENG
3341 and EENG 5342) or (EENG 3340 and EENG 5431 and prior or
concurrent enrollment in EENG 5540).

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 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 5235 Converters Control Techniques  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course presents the techniques required for analyzing power electronic converters, modeling their dynamics, and designing and synthesizing various types of controllers for them, employed explicitly 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): EENG 5235G.

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.  
This course provides a basic knowledge of power Electronics device characteristics and circuits for the control and conversion of electrical power with high efficiency. These converters can change and regulate the voltage, current, or power. Students will study the principles of static power conversions, PWM techniques for voltage and frequency control, circuit design considerations, and applications of power electronics.  
Prerequisite(s): A minimum grade of "C" in EENG 3241 and EENG 3341.  
Cross Listing(s): EENG 5243G.

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 if "C" and prior or concurrent enrollment in EENG 3337 or permission of instructor.  
Cross Listing(s): EENG 5244G.

EENG 5330 Network Architecture and Protocols  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course introduces students to Network architecture and protocol layering. Network design principles, communication protocols, and performance measures. Socket programming, routing, error detection and correction, access control, multimedia networking.  
Prerequisite(s): A minimum grade of "C" in EENG 3421 and prior or concurrent enrollment in EENG 5342 or EENG 5540.  
Cross Listing(s): EENG 5330G.

EENG 5341 Robotic Systems Design with Lab  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
The principles 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 and EENG 3341) or MENG 3521 or Permission of Instructor.  
Cross Listing(s): EENG 5341G.

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 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 5431G.

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 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 3431 and prior or concurrent enrollment in EENG 5431.
Cross Listing(s): EENG 5433G.

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 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 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 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.
Prerequisite(s): A minimum grade of "C" in EENG 3230 and ENGR 2341.
Cross Listing(s): EENG 5535G.

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 5540 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" in EENG 3341 and prior or concurrent enrollment in EENG 3421.
Cross Listing(s): EENG 5540G.

EENG 5541 Digital Communications with 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.
Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.
Cross Listing(s): EENG 5541G.

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 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.

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 the 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, diverse 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 4799.

ELEM 4733 Elementary Internship I
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This practicum 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 4799 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.

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
2 Credit Hours. 0 Lecture Hours. 0.4 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 two-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 2120 British Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of important works of British literature.

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 2130 American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of important works of American literature.

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 2140 African American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of important works of African American literature.

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 literature, magazines and music. Critical methodologies present may include semiotics, genre criticism, ethnography, feminism and cultural studies.
Cross Listing(s): FILM 3030.

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.
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<tr>
<th>Course Code</th>
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<td>ENGL 3200</td>
<td>Introduction to the Novel</td>
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<td>3</td>
<td>0</td>
<td>Permission of the department chair.</td>
<td></td>
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<tr>
<td>ENGL 3222</td>
<td>The Art of Film Adaptation of Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.</td>
<td></td>
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<tr>
<td>ENGL 3300</td>
<td>Introduction to Dramatic Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112 or permission of department chair.</td>
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<tr>
<td>ENGL 3331</td>
<td>History of Cinema</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 3331</td>
</tr>
<tr>
<td>ENGL 3332</td>
<td>Documentary Film Studies</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 3332</td>
</tr>
<tr>
<td>ENGL 3333</td>
<td>Cinema Genres</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 3333</td>
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<tr>
<td>ENGL 3350</td>
<td>Introduction to African American Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112 or permission of department chair.</td>
<td>FILM 3330</td>
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<tr>
<td>ENGL 3400</td>
<td>Introduction to Poetry</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112 or permission of department chair.</td>
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<tr>
<td>ENGL 3535</td>
<td>Patterns in Film and Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112 or permission of department chair.</td>
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<tr>
<td>ENGL 4425</td>
<td>Popular Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): Completion of ENGL 2100 or ENGL 2111 or ENGL 2112.</td>
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<tr>
<td>ENGL 4435</td>
<td>Single Author</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
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<tr>
<td>ENGL 4630</td>
<td>Senior Seminar</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112.</td>
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<tr>
<td>ENGL 4790</td>
<td>Internship</td>
<td>3-6</td>
<td>3-6</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112 or permission of department chair.</td>
<td>FILM 3330, COMM 5035</td>
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<tr>
<td>ENGL 5025</td>
<td>Pop Culture Theory and Criticism</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 3330, COMM 5030</td>
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<tr>
<td>ENGL 5030</td>
<td>Television Theory and Criticism</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 3330, COMM 5035</td>
</tr>
<tr>
<td>ENGL 5035</td>
<td>Film Theory and Criticism</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 5035</td>
</tr>
<tr>
<td>ENGL 5040</td>
<td>Women in Film</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 5040</td>
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<tr>
<td>ENGL 5090</td>
<td>Special Topics</td>
<td>1-3</td>
<td>1-3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td></td>
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<tr>
<td>ENGL 5135</td>
<td>Teaching Literature to Middle and Secondary School Students</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>FILM 5135G</td>
</tr>
<tr>
<td>ENGL 5200</td>
<td>Postcolonial Literature</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of department chair.</td>
<td>ENGL 5200G</td>
</tr>
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</table>
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

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or
permission of the department chair.
Cross Listing(s): ENGL 5234G.
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 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 the 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 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 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 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.
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or
permission of the department chair.
Cross Listing(s): ENGL 5315G.
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 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 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 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 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 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 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 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 5560 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 5560G.

ENGL 5570 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.

ENGR Engineering

ENGR 1112 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 1121 Computing Applications in Mechanical Engineering
2 Credit Hours. 0,2 Lecture Hours. 0,4 Lab Hours.
This is an introductory level computing and application course for Mechanical Engineering students. It is intended for students to develop their technical computing skill using platforms that are current and widely used in the professional world. Standard mathematical functions and applications including logical expression, data input/output, arrays, and statistical functions will be introduced. Specific mechanical engineering applications are utilized to introduces students to basic problem solving logic, flow charting, and programming.
Prerequisite(s): Prior or concurrent enrollment in MATH 1112 or MATH 1113 or MATH 1441.

ENGR 1133 Engineering Graphics
3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.
This course develops and improves student visualization and spatial skills, free-hand sketching, design consideration of fabrication processes, and parametric solid modeling. The interpretation of drawings, a working understanding of technical terminology and participation in group engineering activities are the major highlights of this course. It is expected that the students will gain fundamental abilities in the use of commercial solid modeling tools and techniques.
**ENGR 1731 Computing for Engineers**  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This is an introductory course in the foundations of computing, computational thinking, and engineering problem-solving using programming. The course introduces students to the concepts of design and analysis of algorithms and construction of programs for engineering problem-solving. Topics include arrays, data types and related operations, decisions, loops, plots, functions, cell and structure arrays, and input/output files.  
**Prerequisite(s):** Prior with a minimum of "C" or concurrent enrollment in MATH 1441 or higher.

**ENGR 1732 Program Design for Engineers**  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This course will introduce engineering students to applications for engineering problem-solving and object-oriented programming principles in Electrical and Computer Engineering using standard (ANSI) C and C++.  
**Prerequisite(s):** A minimum grade of "C" in ENGR 1731.

**ENGR 2010 Computational Modeling**  
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.  
Fundamentals of numerical methods and development of programming techniques for implementing them to solve civil and environmental engineering problems via computers.  
**Prerequisite(s):** MATH 2242 and PHYS 2211K and ENGR 1731 or ENGR 1121.

**ENGR 2110 Creative Decisions and Design**  
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.  
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 and ENGR 2231 and prior or concurrent enrollment with a minimum grade of "C" in MATH 2430.

**ENGR 2112 Solid Modeling and Analysis**  
1 Credit Hour. 0 Lecture Hours. 0.3 Lab Hours.  
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.

**ENGR 2131 Electronics and Circuit Analysis**  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This course introduces electric circuit elements, electronic devices, digital systems, and analysis of circuits containing such devices in order to provide students with the fundamental knowledge of electrical engineering principles and applications. Basic concepts of laboratory practice and instruments in the analysis of elementary electrical circuits will be covered in this course.  
**Prerequisite(s):** A minimum grade of "C" in PHYS 2212K and prior or concurrent enrollment in MENG 2139.

**ENGR 2137 Introduction to Renewable Energy**  
3 Credit Hours. 0.2-2 Lecture Hours. 0.2-2 Lab Hours.  
This course will serve as an introduction to Renewable Energy sources and systems basic design and operation, with environmental and socio-economic impacts considered.  
**Prerequisite(s):** A minimum grade of "C" in CHEM 1310 or CHEM 1212K.

**ENGR 2231 Engineering Mechanics I**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Fundamental concepts of mechanics. Statics of particles. Moments and equivalent systems of forces on rigid bodies; equilibrium of rigid bodies. Distributed forces- centroids and centers of gravity. Analysis of trusses, frames and machines. Internal normal and shearing forces, bending moments, and torque. Shear and bending moment diagrams, relations between distributed load, shear, and bending moment. Friction. Distributed forces area moments of inertia.  
**Prerequisite(s):** A minimum grade of "C" in MATH 2242 and PHYS 2211K.

**ENGR 2232 Dynamics of Rigid Bodies**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
**Prerequisite(s):** A minimum grade of "C" in ENGR 2231.

**ENGR 2233 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 2232.

**ENGR 2234 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, circuit theorems, capacitors, inductors, DC transient analysis, the complete response of first-order and second-order circuits, and sinusoidal steady-state analysis.  
**Prerequisite(s):** A minimum grade of "C" in PHYS 2212K and prior or current enrollment in ENGR 2341 and 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 MATH 2242 and ENGR 1731 or equivalent.

**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): A minimum grade of "C" in CHEM 1212K or CHEM 1310 and PHYS 2211K.

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.

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.
**ESL 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 ESL 5130.  
Cross Listing(s): ESL 5131G.

**ESL 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 ESL 5130 and ESL 5131.  
Cross Listing(s): ESL 5132G.

**ESL 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): ESL 5455G.

**ESL 5790** Full-Time Residency Internship I  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This internship course is limited to students participating in a full-time residency program that has been collaboratively designed by the College of Education and participating school system with an approved residency MOU. Students in this program will complete a full-time residency placement in a P-12 school and may be hired as fully employed resident teachers. Additional support and mentoring from the partner school system will be provided. Students will complete all course assignments, assessments and required teaching responsibilities while serving as a resident teacher candidate or resident teacher.  
Prerequisite(s): Departmental approval.  
Cross Listing(s): ESL 5790G.

## ESL English as a Second Lang

**ESL 0090A** Reading and Writing I  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
A low intermediate level reading and writing class for non-native speakers of English.

**ESL 0091B** Listening and Speaking II  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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  
0 Credit Hours. 0 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 reading and writing 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): Successful completion of Georgia Southern’s English Language Program.

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. Involves 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 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 4570   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 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 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 3330.

FILM 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.
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 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 2100.
Cross Listing(s): ENGL 5035.

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.

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 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.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

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 Current Topics in Banking and Financial Markets  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of current issues and topics impacting commercial banking and financial markets. Specific topics will change over time, but will focus on timely practical issues related to bank operations and activities in a competitive global environment with changing economic, regulatory, and technological forces. The course examines key issues in modern financial markets that impact both banks and non-bank financial entities.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

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 3131.

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 4536 Financial Certifications  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides students with indepth knowledge about portfolio management and financial analysis through real world applications and professional certifications related to business and financial data computer software.  
Prerequisite(s): A minimum grade of "C" in FINC 3131 and approval of instructor(s).
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 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): ECON 4631.

FINC 4790  Internship in Finance
3-9 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The student is required to work with/or a manager of the enterprise in a management training or special projects capacity. Management level responsibilities and duties are expected of the student.

FINC 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 4890  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 Fash Merch/ Apparel Des

FMAD 1110  Fashion Fundamentals
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey course of the fashion industry. Fashion terminology, influential designers of the nineteenth and twentieth centuries, influences on fashion, leading fashion centers, auxiliary fashion enterprises, career opportunities and current trends in merchandising are discussed.

FMAD 1234  Apparel I
3 Credit Hours.  0.1 Lecture Hours.  0.4 Lab Hours.
A study of selection, fit and care of wearing apparel with the primary focus on custom garments. Experiences include traditional and contemporary methods of apparel construction.

FMAD 2130  Understanding Aesthetics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth investigation of and a review of contemporary trends and issues of aesthetics and how aesthetics applies to the roles of the fashion/apparel industry professional.

FMAD 2230  Social and Psychological Aspects of Clothing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The cultural, social, psychological, and economic aspects of clothing which affect the selection and usage of clothing by the consumer.

FMAD 3030  Selected Topics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
 Scheduled on an infrequent basis to explore special areas in Fashion and Apparel and will carry subtitle.

FMAD 3110  Fashion Fundamentals
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prerequisite(s): FMAD 1110.

FMAD 3210  Computer-Aided Design
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Investigation and application of computer technology in textile design, apparel design and apparel manufacturing.
Prerequisite(s): FMAD 1110.

FMAD 3232  Principles of Merchandising
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "D" in all of the following: FMAD 3210 and FMAD 3232.

FMAD 3234  Textiles
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Emphasizes the fiber characteristics, fabric properties, and manufacturing processes that affect the selection, use, and care of textile goods.
Prerequisite(s): A minimum grade of "D" in FMAD 1110.

FMAD 3235  History of Costume
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Chronological survey of the development and characteristics of historical costume from the ancient Egyptian culture to the present.

FMAD 3236  Apparel II
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Prerequisite(s): A minimum grade of "C" in FMAD 1234.

FMAD 3237  Apparel Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth investigation of the development, production, and comparison of wearing apparel. Focus on the structural, functional and decorative aspects of apparel. Emphasis on sourcing of companies and materials, costing of product line, and comparing design and manufacturing techniques that affect price, quality, and size of apparel.
Prerequisite(s): FMAD 1110.

FMAD 3239  Fashion Illustration
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Techniques in fashion illustration and technical drawing for application in the fashion industry.

FMAD 3330  Global Apparel and Textile Production
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "D" in FMAD 1110.

FMAD 4231  Apparel Design Analysis I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Application of principles involved in designing apparel using flat pattern techniques.
Prerequisite(s): FMAD 3236.
FMAD 4232 Apparel Design Analysis II
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Application of principles involved in designing apparel using draping techniques.
Prerequisite(s): A minimum grade of "D" in FMAD 4231.

FMAD 4234 Fashion Presentation and Promotion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles and practice of merchandise presentation and promotion at the wholesale and retail levels. Experience in planning, executing, and evaluating fashion promotions.
Prerequisite(s): FMAD 3232 or Permission of Instructor.

FMAD 4236 Fashion Study Tour
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Supervised field study which includes an integrative study of the fashion industry. Visits include historic costume collections, wholesale showrooms, auxiliary fashion enterprises and noted retail stores. Seminars on campus and at pre-arranged appointments during tour dates. While planned specifically for Fashion Merchandising and Apparel Design majors, other interested persons who qualify for Admission may participate.
Prerequisite(s): A minimum grade of "C" in FMAD 3210 and for design emphasis students a minimum grade of "C" in FMAD 4232 or for merchandising emphasis students a minimum grade of "C" in FMAD 3233 and FMAD 4234.

FMAD 4790 Internship in FMAD
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Supervised work-study program in fashion and apparel industry selected by the student and preapproved by the student's advisor. Students will work full-time for the entire semester while enrolled in the internship program. Students must agree to abide by regulations governing all employees of the sponsor.
Prerequisite(s): 2.0 GPA and approval of instructor.

FMAD 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.

FORL Foreign Language

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 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.
Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.

FORL 3431 Foreign Languages 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.
Prerequisite(s): Successful completion of the Pre-Professional Education Block and admission to Teacher Education Program.

FORL 3432 Foreign Lan Methods 9 to 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.
Prerequisite(s): Successful completion of the Pre-Professional Education Block and admission to Teacher Education Program.

FORL 3750 Internship I - Pre-Student Teaching
3 Credit Hours. 0 Lecture Hours. 1-15 Lab Hours.
Opportunity to observe and participate in classroom activities in a supervised P-12 public school setting.

FORL 4030 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.
Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.

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 4790 Internship in Foreign Languages
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Internship in non-English language.
Prerequisite(s): Departmental approval.

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.
Prerequisite(s): Department approval.

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.
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.
Prerequisites: A minimum grade of "C" in FREN 1001.

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
6 Credit Hours. 6 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 3000 French Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will help students develop their oral communication skills, from leaving an informal voicemail to participating in an academic debate. Attention is also given to grammatical structures. Conducted in French.
Prerequisite(s): A min grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3002 Techniques in Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course students develop and practice written communication skills from informal messages to academic writing. Emphasis is also given to reviewing grammar in the context of written language. Conducted in French.
Prerequisite(s): A min grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3010 French Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Increasingly, we use media to better understand the world around us. In this interdisciplinary and collaborative course, students will develop creative media projects, gain critical thinking and writing skills. Subjects of study include: the argument in media, formal analysis, media criticism, censorship, and the history of media (print media, photography, film, radio, television, and digital media). This course offers an in-depth examination of the first filmmakers in history, the Lumière brothers, and freedom of expression cases, such as Je Suis Charlie. A significant emphasis will be put on mass media and its impact upon public opinion, that's why following current events will be essential. Conducted in French.
Prerequisite(s): A min grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3020 French for Science and Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This advanced course is designed to improve French skills in the sciences. Students will explore innovative areas of scientific study, while expanding their speaking, reading, and writing skills needed to share scientific information within a community. Students will learn about French scientists, the history of science, impacts and effects of scientific phenomena, cause and effect, while developing their own research skills. Conducted in French.
Prerequisite(s): A min grade of "C" in FREN 2002 or 2060 or departmental approval.

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 3040 French through the Arts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
French Art is one of the major attractions of France as a cultural tourist destination. People come from all over the world to admire cathedrals, mosaics, châteaux, museums, sculptures, tapestries, music festivals, and plays, their stunning artistic and cultural value in general. In the nineteenth century, Paris became the world capital of art and it was here that modern European art was born, leading to a reexamination of the meaning and purpose of art. This course will explore some of the greatest names (Leonardo da Vinci, Monet, Rodin…) and the development of art through its historic movements (Medieval, Gothic, Renaissance, Baroque, Rococo, Romanticism, Realism, Impressionism, Modern…). Over the centuries, France has contributed extensively to the common cultural heritage of humanity. Conducted in French.
Prerequisite(s): A min grade of ‘C’ in FREN 2002 or FREN 2060.

FREN 3100 French Culture and Civilization I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of French culture and civilization from the first men who inhabited the caves of Southern France to the magnificent spectacle of Versailles. Students will discover the way of life of each epoch by analyzing its art, political discourse, architecture, literature, and customs. This course covers Prehistoric times, the Roman era, the Middle Ages, the Renaissance, and the Grand Siècle of the Sun King. Conducted in French.
Prerequisite(s): A min grade of ‘C’ in FREN 2002 or 2060 or departmental approval.
FREN 3110  French Culture and Civilization II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
In the past three centuries, France has lived through numerous revolutionary regime changes: monarchies, empires, republics, Vichy. This course will evaluate how these changes came to be, and how the culture and identity of France have been transformed. Students will discover the way of life of each epoch by analyzing art, politics, architecture, literature, and customs. This course spans the Enlightenment to the mid-twentieth century. Conducted in French.
Prerequisite(s): A min grade of 'C' in FREN 2002 or 2060 or departmental approval.

FREN 3130  Great Debates
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course offers an opportunity for students to improve their speaking and listening abilities. Using French language skills, students will engage in thematic discussions, prepare structured arguments for a variety of historical and contemporary topics, which may be social, political, or cultural in nature. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.
Cross Listing(s): FREN 3130S, FREN 3130H.

FREN 3132  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 2060 or departmental approval.

FREN 3134  Creative Writing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course offers an introduction to creative writing in French. Using their French language skills, students can expect to work on producing elements of personal narratives, fictional accounts, poetry, and other creative narratives. Throughout the semester, students will work on aspects of the creative process including the crafting of a story, elements of narrative writing, style, rewriting, and editing. Course work will include in-class discussion, writing workshops, peer-review, and editing, as well as reading and writing assignments. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.
Cross Listing(s): FREN 3134S.

FREN 3136  French Through Film
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course gives students a synthetic vision of the history of French cinema, since its invention by the Lumière brothers until today. A diverse range of cinematic genres (comedy, science-fiction, drama, documentary) and movements (l’avant-garde, les années noires et grises, la Nouvelle Vague) will underline profound cultural transformations in the French speaking world. Students will also analyze basic concepts of cinema, such as directing, production, sound, film-narrative, lighting, and editing. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3160  Francophone Cultures
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
French is spoken in a variety of countries, on different continents, due to either cultural heritage or historical past. Understanding and analyzing the diverse Francophone cultures and civilizations will be an integral part of this course. Topics discussed will include traditions, food, daily life, history, society, art, and cinema of the societies involved. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

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, departmental approval.

FREN 3201  Approaches to Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introductory study of the major literary genres and movements from the Middle Ages through the present, as well as an analysis of basic literary terms and figurative language. Texts will include works of prose, poetry, and theater. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3230  French Literature I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An overview of major literary works, authors, and movements within France from the Middle Ages through the Seventeenth Century. Readings may include tales of the knights of the Round Table, fables, poems, essays, and classic comedies and tragedies. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3260  Francophone Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Students will engage with different historical, artistic, political, and philosophical approaches to the literature of the French-speaking world. This course may include themes of diaspora, exile, immigration, independence, creativity, identity, human rights, autonomy, and language. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3300  French Phonetics and Phonology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will help students better their pronunciation and understanding of the French language through an in-depth analysis of sounds and the rules that govern French as it is spoken around the world today. Students will learn how sounds are produced, which sounds belong to the French language, and how spelling relates to pronunciation. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 3330  Medical French
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Language and cultural barriers may interfere with the ability to provide high quality care to patients. That’s why effective communication is essential in healthcare professions. This course is specifically designed to include healthcare topics, such as communication strategies, basic commands, food and drink, good cheer, visiting hours and family, patient orientation and comfort, pain and discomfort, symptoms and treatment, prevention, instructions and medications, numbers and tests, basic procedures, hospital regulations, insurance and payment. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.
Cross Listing(s): FREN 3330H, FREN 3330S.

FREN 3336  Francophone Cinema
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with a focus on Francophone cinema. This course may include themes of diaspora, exile, immigration, independence, creativity, identity, human rights, autonomy, and language. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.
Cross Listing(s): AAST 3336.
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 Business in the French-Speaking World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of business practices in the French-speaking world. Diverse authentic media sources will be used. Emphasis will be put on leadership, correspondence, innovative ideas, as well as team-building, ethics, and soft skills in the business world. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

FREN 3530 Translation: Theory and Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will explore different approaches to translation and develop an understanding of the links between theory and practice. The frameworks introduced in this course, are applied to real-life translation examples, such as corporate advertising, media, video, speech, documents, forms, etc. Translation topics will include: linguistic and cultural interpretations, translation behavior, collaborative translation, and translation tools. Students will also develop an awareness of the wider cultural, ethical, and professional contexts of translation. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.
Cross Listing(s): FREN 3530S.

FREN 3595 Made in France: The French Brand
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
While brands are a relatively new concept in the history of civilization, the French have long used material culture to display and export their ideas and values. Versailles was Europe's first runway, aristocracy French clothes, jewelry, cosmetics, and even philosophy, for the rest of world to see, admire, and aspire. If the logos of Chanel and Louis Vuitton have introduced in this course, are applied to real-life translation examples, such as corporate advertising, media, video, speech, documents, forms, etc. Translation topics will include: linguistic and cultural interpretations, translation behavior, collaborative translation, and translation tools. Students will also develop an awareness of the wider cultural, ethical, and professional contexts of translation. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

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): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

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): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 4020 Great Thinkers in French Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of influential philosophers, writers, and artists whose ideas changed world history. Emphasis on written and spoken French.
Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

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.
This course will help students improve their accuracy in French through an intensive review of major grammatical structures. Students will practice all four skills (reading, writing, listening, and speaking) in a variety of contexts, such as narration in different time frames, description, supported opinion, argumentation, expressing wishes, and giving advice. Conducted in French.
Prerequisite(s): Minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

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 French for Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students with language and cultural skills to work effectively in diverse fields of the global economy, such as tourism, medicine, fashion, or the food industry. Students will enhance their communication skills, learn how to tailor new vocabulary for specific professions, and construct documentation necessary for workplace success. Through class activities, students will simulate real work situations. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or 2060 or departmental approval.

FREN 4230 French Literature II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of major literary works, authors, and movements from the Eighteenth Century through the Twentieth Century. Students will analyze a variety of topics from the philosophy of the French Revolution to the art of the graphic novel. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

FREN 4231 Performing French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on helping students improve in spoken French through performance and presentation. Students will use French to create formal presentations, such as the great monologues from classical theater, and informally, for applications such as developing a French language YouTube channel. Using French language skills, students will work on pronunciation and increase their language production. Materials for the course may include Poetry, theater, film (portions), and song. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

FREN 4233 French Poetry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of French poetry by major movements, from the late Middle Ages to the present, with an emphasis on reading strategies and poetic techniques and interpretation. Oral reports and discussions. Written analysis (explication de texte). Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.
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 place in Europe and the world. Students will learn about the French way of life through the use of authentic materials (newspapers, magazines, TV, radio, and the Internet). Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

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 4530 Your Turn! Games in French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Playing a game requires a large array of cognitive and linguistic skills: understanding and explaining rules, reasoning and strategizing, negotiating and bartering with other players, producing information and creating story-lines, etc. This course uses games to encourage students to become more proficient and creative in French. Games may include word games (Pyramid, Scattergories), board games (Carcassonne, Monopoly), role-playing games, React to the Past games, card games (Loup-Garou), and many more. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060 or departmental approval.

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 4960 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.

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 select 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, assess 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.
Corequisite(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.
Corequisite(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 "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 relationships 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 3000 Student Internship
6 Credit Hours. 0 Lecture Hours. 6 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.

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. 0-3 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 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 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 5314.

Cross Listing(s): GCM 5314G.

GCM 5331 Flexography
3 Credit Hours. 0,2 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 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 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 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 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 5534 Digital Output Applications
3 Credit Hours. 0,2 Lecture Hours. 0,2 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 3231.

Cross Listing(s): GCM 5534G.

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.

GEOG Geography

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 1100 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 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 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 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 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 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 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 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 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 valuation of natural resources, in addition to conflicts over their use.
Cross Listing(s): GEOG 5435G.

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 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 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 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 economics, social, and environmental impacts through case studies.
Prerequisite(s): GEOG 1101 or GEOG 1130 or permission of instructor.
Cross Listing(s): GEOG 5532G.

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 GEOG 1430.

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 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 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 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.

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, principles of geologic time, and plate tectonic processes.

GEOL 1121K Introduction Geosciences I With Lab
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.

GEOL 1122 General Historical Geology
4 Credit Hours. 0.3 Lecture Hours. 0.2 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 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.
Prerequisite(s): GEOL 1310.

GEOL 1330 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.

Cross Listing(s): GEOL 1310.

GEOL 3542 Petrology and Petrography
4 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
Introduction to the origin, occurrence, and classification of common igneous and metamorphic rocks. Laboratory work consists of combined topographic and geologic maps and crossed sections. Students will construct topographic and geologic maps and write geologic reports and abstracts. One major component of the course examines geologic data collection, analysis, and problem solving of geologic and environmental problems related to natural hazards and society's use of Earth resources.
Prerequisite(s): A minimum grade of "B" in GEOL 1122 or GEOL 1121.

GEOL 3541 Mineralogy
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.

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. 2 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 3540 Tectonics
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Processes, structures, and land forms 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 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 Principles of Oceanography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This 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.

GEOL 1340 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.
Prerequisite(s): A minimum grade of "B" in GEOL 1122 or GEOL 1121.

GEOL 4610 Senior Seminar
1 Credit Hour.
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.

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 3544 Mineralogy
4 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 3542 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.

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 land forms 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 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 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 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 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 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, biostatigraphy, 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 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 5230  Earth Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the Earth system and the interaction of the 4 basic subsystems responsible for the dynamic planet and unique environments seen today: the lithosphere, atmosphere, biosphere, and hydrosphere. This course is designed to enhance the knowledge of Earth processes for future STEM educators majoring in middle and secondary education. This course can not 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 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 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 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 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 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 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 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 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. Catherine's 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. Catherine's 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 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.  

GERO Gerontology  
GERO 5500 Survey of Gerontology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to the emotional, physiological and social changes associated with the aging process and their effects on health.  
Cross Listing(s): GERO 5500G.  

GERO 5510 Healthy Aging  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Principles of holistic aging: spiritual, social, emotional, intellectual, occupational, physical, and motivational needs of the elderly.  

GERO 5520 Gerontology Practicum  
1-3 Credit Hours. 0-6 Lecture Hours. 0-12 Lab Hours.  
Practical experience tailored to the student's interest. Developed in collaboration with a faculty member and qualified site supervisor.  
Cross Listing(s): GERO 5520G.  

GERO 5530 Health Care Policy for Older Adults  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides an overview of healthcare policy as it pertains to older adults. The course will examine policies affecting older adults with multiple, serious chronic conditions; the economic and physical security of vulnerable and disadvantaged older adults; and policies that promote civic engagement by older adults and caregivers to improve the healthcare system and well-being of older Americans.  

GFA Georgia Film Academy  
GFA 1000 Intro to On-Set Production  
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
Introduction to On-Set Production is a survey class that familiarizes students with the many job positions, specialized equipment and technical procedures involved in professional feature film and television production, with an emphasis on workforce development for the growing industry in Georgia. Upon successful completion of the course, students will understand and be able to execute the filming of a scene, and be prepared for continued study in the mechanics of film production.  

GFA 3010 Production Design  
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
This course is designed to examine the process of Production Design as it relates to the film and television industry. Students will work on an assigned project and take it from concept to completion solving real-world challenges with the skills they have learned in class. Assigned projects will allow them the hands-on experience they need. A large emphasis will be placed on set etiquette, including but not limited to task completion, teamwork, attitude, professionalism, and punctuality. This class will include assigned reading from various books, web articles, and periodicals. It will also include video lessons and use of Vectorworks Student Software. Students are expected to attend all classes and complete all assignments.  
Prerequisite(s): A minimum grade of "C" in GFA 1000.  

GFA 3020 Motion Picture Set Lighting  
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
This course is offered in collaboration with the Georgia Film Academy. The course is designed to equip students with the skills and knowledge of electrical distribution and set lighting on a motion picture or episodic television set in order to facilitate their entry and advancement in the film business. Students will participate in goal oriented class projects including power distribution, set protocol and etiquette, properly setting lamps, department lingo, how to light a set to feature film standards, motion picture photography, etc. A large emphasis will be placed on set etiquette including, but not limited to, participation in exercises, attitude, professionalism and technique on and off set.  
Prerequisite(s): A minimum grade of "C" in GFA 1000.  

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.  
Prerequisites: A minimum grade of "C" in GRMN 1001.
GRMN 1060 Accelerated Elementary German
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An accelerated introduction to listening, speaking, reading, and writing in
German and to the culture of German-speaking regions. Complements the
elementary levels 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
0-99 Credit Hours. 0 Lecture Hours. 0-99 Lab Hours.
Independent study under faculty supervision.
Prerequisite(s): Department approval.
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 an institutional 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 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.
Prerequisites: 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 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 an institutional 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 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.

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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.

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 the content of those courses addresses issues related to Women's Studies. May be repeated for credit with different topics.

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 Survey of US History II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History 2112 explores the major themes and issues in American history from the end of the Civil War to the present. Emphasizes the political, social, economic, and cultural dimensions of United States history; causal relationships and patterns of change and continuity over time; and the significance of ethnicity, gender, race, and class in historical events.

HIST 2400 The American Military Experience
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the military experience in American history, from the colonial period to the present, including the combatant and non-combatant experience in war, the impact of conflict across American history, the development of military institutions, and the function of a military establishment in a free society. Elective for non-majors. Satisfies ROTC Military History requirement.

Cross Listing(s): MSCI 2400.

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 a 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.

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.

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 1400
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): INTS 3250 and RELS 3250.

HIST 3251 The Muslim World since 1250
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): INTS 3251 and RELS 3251.

HIST 3320 History of Russian and Soviet Foreign Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of topics of Russian and Soviet foreign policy form the end of the tsarist period to the present. Analysis of the effect on the international system of the collapse of the Soviet Union and the place of Russia in the world today.

HIST 3330 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 3331 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 3332 Late Antiquity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the Mediterranean world from the later Roman Empire to the new civilizations of Europe, Byzantium, and Islam.

HIST 3333 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 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): RELS 3334.

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 examines 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, wharf 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 will examine 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 pre-colonial Africa.

HIST 3531 History of Africa since 1800  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Traces significant developments in pre-colonial, colonial and post-colonial African history. These include trade and the origins of the colonial state as well as African encounters with colonialism.

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 3536 Modern Russia  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Russian history from Peter the Great (1696) to the present, covering the major political, economic, and social developments of Russia in the imperial and soviet periods as well as the collapse of the Soviet Union and its aftermath.

HIST 3537 Colonial Latin America  
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 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, socioeconomic, and cultural developments; and key contemporary phenomena.  
Cross Listing(s): INTS 3538, LAST 3538.

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.

HIST 3720 Historical Archaeology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of archaeological artifacts, methods, and theories, emphasizing the use of archaeological evidence consistent with the disciplinary standards of history. Chronological and regional focus varies with instructor's area of expertise.  
Cross Listing(s): ANTH 3136.

HIST 3740 Women & Gender in Amer Hist  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the history of American women and of historical ideas about gender in America from the colonial times to the present.

HIST 3760 US History 1877-1917  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Presentation of the major subjects of the late 19th century, and early 20th centuries, including the emergence of a national economy, its theory and policies; partisan and reform politics; American society and social thought; and territorial aggrandizement.
HIST 3770 US History 1917-1945
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Analysis of the institutions and forces that molded life in the United States from 1917 to 1945.

HIST 3820 Intro to Archaeology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Survey of archaeology using cross-cultural examples. Focus on history, basic techniques, concepts, theories, and types of research.

HIST 3920 Modern Amer Popular Culture
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines American popular culture since the late nineteenth century, considering a variety of media and forms of cultural expression, including vaudeville, cinema, television, and music (including jazz, rock 'n' roll, and hip-hop), as well as advertising and consumerism.

HIST 3990 Fieldwork in History
1-3 Credit Hours.  5 Lecture Hours.  5 Lab Hours.
Field trip or field work based course, abroad or in the United States. Researching, reading, and written assignments will vary. Can be project-based, can require students to lift up to 50 pounds. Course may be repeated as topics vary, but no more than five hours can be counted toward the major in History.
Prerequisite(s): Permission of instructor or department.

HIST 3992 Internship
1-3 Credit Hours.  0-3 Lecture Hours.  0-9 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 a satisfactory/unsatisfactory (S/U) basis. Student must have at least nine hours of history courses with a history grade point average of 3.0. Only three hours of internship (either HIST 3991 or HIST 3992) may be counted for the major. Application and credit arrangements must be made through the department by mid-semester preceding the internship.

HIST 4030 Directed Study in History
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Independent study with topics varying by professor.

HIST 4110 Medieval Spain
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the political, social and economic development of the Iberian peninsula from Late Antiquity to the fall of Granada in 1492. The course pays special attention to the interaction of Muslim, Christian and Jewish communities over the course of these centuries.

HIST 4120 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 4130 Georgia History
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines important political, social, cultural, and economic developments that have shaped modern Georgia. Satisfies the Georgia Constitution and Georgia History requirements.

HIST 4131 Biography 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.
Cross Listing(s): INTS 4133.

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.
Cross Listing(s): AAST 4134.

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 4230 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 4235 Tudor and Stuart Britain
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 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.

HIST 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): RELS 4336.

HIST 4411 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.

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.
Cross Listing(s): AAST 4532.

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 4635 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 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 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 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 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 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 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.
Cross Listing(s): HIST 5210G and HUMN 4631.

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 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 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 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 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 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.

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 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 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 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 5245 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.

Cross Listing(s): HIST 5245G.

HIST 5246 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.

Cross Listing(s): HIST 5246G.

HIST 5247 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 5248 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 5249 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 5251 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 5252 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 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 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 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 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 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 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 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 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 and HUMN 4631.

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 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 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.

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): A minimum grade of "C" in HLPR 2130.
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 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 4800 Special Topics in Health Informatics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to current and emerging topics of importance to health informatics. The course will address standard knowledge management lifecycle, including acquisition, organization, processing, sharing, and operationalization within the healthcare enterprise as well as 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 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 Multidisciplinary 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): HLPR 1200L.

HLPR 120L Multidisciplinary 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 and MATH 1401.

HLPR 2120 LGBTQ Health Disparities  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines internationally documented health disparities experienced by lesbian, gay, bisexual, transgender, and queer/questioning (LGBTQ) individuals. An emphasis will be placed on health promotion and prevention of infectious diseases. This course critically examines health disparities and provides the health professions student with culturally competent resources for health promotion in this vulnerable population.  
Prerequisite(s): A minimum grade of "C" in ENGL 1101.

HLPR 2130 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. There are no on-campus meetings or synchronous on-line meetings. 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): A minimum grade of "C" in BIOL 2082.

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 ENGL 1102.

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.
HONS Honors College

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 Srvs 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.
HSCF 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.

HSCF 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.
The 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.
Prerequisite(s): A minimum grade of "C" in HSCF 3005.

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.

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 course 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 3432 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.

HUMN 4631 Capstone Project for Digital Humanities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The capstone class is the final class in the Digital Humanities Minor and is intended to offer the student a chance to individually or with a larger group create a portfolio-quality digital humanities project. Students will plan a final project, research content and develop a platform for its digital delivery. At the end of the process, the project will go “live” for both an academic audience and a larger public. This class may be taught as a tutorial with a single professor as mentor or as a seminar with other students.
Cross Listing(s): HIST 5210, HIST 5260.

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 migrant communities as they negotiate forms of existence that preceded and exceeded 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. 1 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 2328 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 better in INDS 2327 and INDS 2435.

#### INDS 3431 History of Interiors
3 Credit Hours. 3 Lecture Hours. 0 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 moderate 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 2237.

#### 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 2435, INDS 2433, INDS 2237 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 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 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 3535 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 3620 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. Registration approval may be granted by permission from the Department Chair if students have sufficient upper-division credits.
Prerequisite(s): A minimum grade of "C" in INTS 2130 and INTS 3130 OR INTS 3230.

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, dramatistic 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 place 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, HIST 5531, HIST 5531G.
IPSE 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 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 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 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.

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, sports, 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 and PHSC 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 CHEM 1211K, or CHEM 1151K, or GEOL 1121, or PHYS 1111K, or PHYS 2211K, or PHSC 1211 and PHSC 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 Data Fluency
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Every discipline uses data and information. This course introduces students to methods for defining and determining the need for information; the methods and tools by which data are collected, stored, accessed, and analyzed; how to critically evaluate data and its sources; how to synthesize knowledge from data; how to visually present data; how data is securely and accurately shared; and how to use data ethically. Designed for all majors.

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): A minimum grade of "C" in MATH 1111 or MATH 1113 or equivalent.

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): Familiarity with productivity tools.

IT 2230 Introduction to Application Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to mobile computing and mobile application software development. Topics include mobile computing devices, mobile operating systems, app programming languages and APIs, app development environments, app programming and development cycles.
Prerequisite(s): CSCI 1301 (Introduction to Programming Principles) or IT 1330.

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 IT 1130 and 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): A minimum grade of "C" in IT 1130.
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 2430 or CSCI 1301).

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.

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 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 CSCI 1301 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 2333 and (WRIT 2130 or WRIT 3220).

IT 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, NumbPy, and pandas to load, clean, transform, visualize and analyze data.
Prerequisite(s): A minimum grade of "C" in (CSCI 1302 OR 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): A minimum grade of "C" in IT 2120 or IT 2531.

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 4138 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 2334.

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 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 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 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 (CSCI 1401 OR STAT 1401) OR BUSA 3131.
Cross Listing(s): IT 5135G.

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 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: (CSCI 1301 OR IT 1330 OR IT 2430) and IT 3132.
Cross Listing(s): IT 5235G.

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 3132.
Cross Listing(s): IT 5236G.

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.

IT 5434 Advanced Network Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers a wide range of topics in network security and information security, including but not limited to security and privacy laws and regulations, malware and intrusions, crypto ciphers and hash functions, various authentication and authorization methods and mechanisms, firewalls, web and email security, security protocols and Wi-Fi security. From this course, students will learn the security theories, understand the corresponding methods and mechanisms, and practice through hands-on lab assignments, extending their knowledge and skills and developing a comprehensive and advanced perspective of network security.
Prerequisite(s): A minimum grade of "C" in IT 3231 and IT 4335.
Cross Listing(s): IT 5434G.
ITEC Instructional Tech Ed

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.

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 3131, and ITEC 3132.

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): ITW 5233G.

ITW Information Technology Web

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.
Prerequisites: A minimum grade of "C" in all of the following: ITW 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.
Prerequisites: A minimum grade of "C" in all of the following: ITW 1130, ITW 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 ITW 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 ITW 1130 or ITW 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 ITW 3233.

ITW 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 ITW 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 ITW 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 ITW 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 ITW 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 ITW 2431 and ITW 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 ITW 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: ITW 3233 and BUSA 3131 or STAT 1401.
Cross Listing(s): IT 515G.

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.
Prerequisites: A minimum grade of "C" in all of the following: ITW 3233, BUSA 3131 or STAT 1401.

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 ITW 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, malware, and penetration testing. Social aspects of hacking, including social engineering. Incident response.
Prerequisite(s): A minimum grade of "D" in ITW 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 ITW 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.
Prerequisite(s): A minimum grade of "C" in JAPN 1001.

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 1002 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 skills.
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.
Continued development of all five skills: listening, speaking, reading, writing, and culture.
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.
Introduces 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.
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.

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.

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, 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 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 swimming 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.  
A course designed to introduce basic water safety and survival swimming skills.

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 spining 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 basic 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: Ballet 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 2301 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 2307 Racquetball: Intermediate
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to refine an experienced student’s basic racquetball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2318 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 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 2335 Intro to Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a broad introduction to the profession of athletic training. The student will be acquainted with the domains of athletic training. Emphasis will be placed on lecture and laboratory experiences concerning basic emergency management, as well as injury prevention including strength and conditioning techniques, environmental considerations, and protective equipment.

KINS 2401 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 2410 Soccer: 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 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. 3 Lecture Hours. 0 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.
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): BIOL 2081.

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 2531.

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 3321 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 3322 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 science and practice of various sport psychology principles as applied to coaching and athletic performance.

KINS 3432 Elementary Physical Education I
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.
Provides the introduction to a developmentally appropriate approach to teaching 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 foundations of movement to children. 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 diversity 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 analyses 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 3531 Adapted Physical Activity
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
This class will provide students in the fields of kinesiology an overview of heat practices to adapt physical activity and exercise for individuals with disabilities with a specific focus on youth with disabilities and or chronic conditions. This course will prepare students for the Certified Inclusive Fitness Trainer (CIFT) exam, which will allow students to have the designation of Certified Inclusive Fitness Trainer (CIFT) based on guidelines from the American College of Sports Medicine (ACSM) and National Center on Health, Physical Activity and Disability (NCHPAD). In addition to general knowledge of exercise physiology, exercise testing, and programming, students will also gain knowledge of: inclusive facility design, social inclusion, the Americans with Disability Act (ADA), safe and effective methods of and recommendations for exercise, precautions and contraindications to exercise related to disability, motivational techniques, and appropriate instruction. At the end of this class, students will have the knowledge and skills to provide individuals with physical, sensory, and/or cognitive disabilities with the appropriate knowledge and support to lead a healthy and comfortable lifestyle.

KINS 3535 Principles of Group Fitness Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to give students the knowledge and understanding necessary to prepare for the ACE Group Fitness Instructor Certification Exam and become effective group fitness instructors. This course will provide students with the theoretical knowledge and practical skills in preparation for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor-participant relationship, the principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor’s (GFI’s) professional role.

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 1111K 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 1212K 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 4422 Tactical Strength & Conditioning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prepares students to undertake responsibilities in the areas of tactical strength and conditioning which is directed toward occupational and mission preparedness, including the ability to not only excel in job performance and capability but to also to minimize injuries and premature mortality of tactical personal.
KINS 4423 Scientific Principles of Strength and Conditioning  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The purpose of this course is to prepare students for the National  
Strength and Conditioning Association Certified Strength and Conditioning  
Specialist exam.  
Prerequisite(s): NTFS 2530, NTFS 3630, KINS 4420, or permission of instructor.  
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.  
Develop 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.  
KINS 4533 Health and Physical Activity Promotion for Exceptional Youth  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will provide students with a foundational knowledge of the factors affecting health and wellness for young people with exceptionalities within a biopsychosocial model. The course will provide opportunities to apply this knowledge in the implementation of developmentally, individually, and culturally appropriate activities at the individual and family level.  
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.  

# LAST Latin American Studies

**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 encyclopaedia.  
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.  

**LATN 4010 Vergil**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Readings from the Aeneid with emphasis on Books II, IV, VI, and VIII, and other selected works.  
Prerequisite(s): Completion of LATN 4010.
LA TN  4890  Directed Study in Latin
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Concentrated study of a topic in Latin literature, culture, society, thought or
language. May be repeated for credit provided a new topic is studied.
Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

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 1001  Intro To Leadership Studies
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
A concept based approach to the interdisciplinary field of leadership
studies.

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 2021  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  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 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.

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 1102 and ENGL 1103.
Cross Listing(s): WRIT 3520.
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.
This course identifies traditions and foundations of instruments and explores their dimensions in the assessment of English language learners and ESL/EFL students. It examines formal and informal assessment tools and practices that are used to support the learning of English language learners in various settings.
Prerequisite(s): A minimum grade of "C" in LING 3630.
LING 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 WRIT 3130 or WRIT 3220 or WRIT 3531 or LING 3620; 2.5 grade point average; supervisory staff member; recommendation of the department head.
Cross Listing(s): WRIT 4790.
LING 5030 Topics in Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Seminar in topics of theoretical and applied linguistics. May be repeated for additional credit when topics change.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5030G.
LING 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. Undergraduate
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5130G, WRIT 5130, WRIT 5130G.
LING 5133 English Grammar for ESL/EFL Teachers
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.
Prerequisite(s): A grade of "C" or better in ENGL 1102.
Cross Listing(s): LING 5133G.
LOGT 5233 Teaching English Internationally
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course to prepare students to teach English in other countries.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5233G.

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 5440 Early English Literature, Beginning-1485
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
English literature from its beginnings through 1485. Course includes study of medieval phonology, morphology, and syntax. Writers include the Beowulf poet and other Old English authors, early Middle English lyrics, and the major figures of the fourteenth century (the Pearl poet, Chaucer, Langland, Gower). In alternate years, course will be devoted to Chaucer and his context.
Prerequisite(s): ENGL 2100.
Cross Listing(s): LING 5440G.

LING 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.
Prerequisite(s): A minimum grade of "C" in ANTH 1102 or SOCI 1101.
Cross Listing(s): LING 5530G, WRIT 5530, WRIT 5530G.

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 effectivly 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 events 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 LOGT 2232 and LOGT 3232.
Corequisite(s): LOGT 4231.

LOGT 4263 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 and 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 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. 0 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. 0 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.

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 US 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 MGMT 3130.
Cross Listing(s): MGMT 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.

LWSO Law and Society

LWSO 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, SOCI 1101, POLS 1150, or POLS 2101.

LWSO 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.

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 models of real-world phenomena. 
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. 
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. 
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. 
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 1113 or MATH 1112.

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.  
Functions and limits; the derivative and its applications, antidifferentiation; the definite integral and applications; exponential and logarithmic functions.
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, antirriferentiation, 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 2010 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  
gineering.  
Prerequisite(s): CSCI 1301 or ENGR 1731 or MATH 2242 or PHYS 2211K.  
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): A minimum grade of "D" in 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  
consideration of functions; regression; recursion; proportional reasoning;  
analytic and transformational geometry; and rational, integer, and real  
number arithmetic.  
Prerequisite(s): Completion of 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): Completion of 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 2322.  

MATH 4825 Honors Research Honors Research Honors Research  
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 5090 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 5090G.

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 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 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 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 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 3360 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 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 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): Completion of MATH 2332.
Cross Listing(s): MATH 5251G.

MATH 5300 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 5300G.

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 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 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 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 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 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 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 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 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 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 5413 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 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 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 5432 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 5432G.

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 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 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 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 5438 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 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 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 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 5551.
Cross Listing(s): MATH 5660G, STAT 5660, STAT 5660G.

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 3000L 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 3200L.

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 Hematol & 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 Dng
2 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.
Corequisite(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.
Corequisite(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 doctors, reference, and clinic laboratories.
Corequisite(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 4900 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. 2 Lecture Hours. 0 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.
The 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 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, ceramics, and composites. Atomic structure and arrangement; control of the microstructure and mechanical properties, solidification, cooling curves and phase diagrams, mechanical 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 3130 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 measurements 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 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 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 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. Laboratories 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 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 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 2112, MENG 3130, MENG 3135, MENG 3233, MENG 3333, and (MENG 3531 or MENG 3521) and senior standing.  

Cross Listing(s): MENG 5137G.  

MENG 5138  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 all the following: MENG 3233 and MENG 3531 or permission of instructor.  

Cross Listing(s): MENG 5138G.  

MENG 5139  Directed Study in Mechatronics  
1-9 Credit Hours. 1-9 Lecture Hours. 0-6 Lab Hours.  
An individualized study involving research and applications pertaining to Mechatronics.  
Prerequisite(s): Senior standing, prior identification of a problem or study area, and permission of instructor.  

Cross Listing(s): MENG 5139G.  

MENG 5140  Selected Topics in Mechatronics  
1-9 Credit Hours. 1-9 Lecture Hours. 0-6 Lab Hours.  
This course provides for study of Mechatronics course topics not generally offered by the program.  
Prerequisite(s): Senior standing or Permission of instructor.  

Cross Listing(s): MENG 5140G.
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 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 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 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 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 5237 Applied Combustion
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is an introductory course 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 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 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 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 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 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 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 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 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 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 and hands 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 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 5536G.
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 2139 and prior or concurrent enrollment in MENG 3531 or MENG 3521.
Cross Listing(s): MENG 5811G.
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 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.

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): MFGE 2139.
MFGE 2421 Introduction to Additive Manufacturing Studio
2 Credit Hours. 0.2 Lecture Hours. 0.4 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 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, thermosets 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, solidification, 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 2533 and prior successful completion (with a minimum grade of "C") or concurrent enrollment in MFGE 2421.

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. 0.2 Lecture Hours. 0.4 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): Prior successful completion (with a minimum grade of "C") 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.  0.2 Lecture Hours.  0.4 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.  0.2 Lecture Hours.  0.4 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.  0.2 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 manufacturing engineering that is 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 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 5133  Advanced Engineering Project Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course presents the principles and techniques of managing engineering projects from the initiation phase, through planning, execution, control, and closeout. Topics include project selection, leadership, negotiations, team building, risk management, budgeting, scheduling, resource allocation, project control, and termination.  
Prerequisite(s): A minimum grade of "C" in MFGE 3132 or permission of the instructor.  
Cross Listing(s): MFGE 5133G.  

MFGE 5134  Reliability Engineering  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Reliability analysis with emphasis on the exponential, Weibull, gamma, log normal and extreme value distributions; system-level reliability, redundancy, maintainability, and availability.  
Prerequisite(s): A minimum grade of "C" in MFGE 3132 or permission of the instructor.  

Cross Listing(s): MFGE 5134G.  

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 3337 and MFGE 3423 and MFGE 4533.  
Cross Listing(s): MFGE 5238G.  

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): Completion of MFGE 4533.  
Cross Listing(s): MFGE 5331G.  

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 production systems among others.  
Prerequisite(s): MFGE 3421 and MFGE 4533.  
Cross Listing(s): MFGE 5332G.
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 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 5335 Machine Vision
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
An introduction to vision-based control of industrial robots and autonomous vehicles with applications in Fanuc IRVision and Cognex vision systems. Students will get hands-on experience in setting up and running vision processes including camera setup, inspection vision processes, setup of tool and offset frames, 2D calibration, 2D single-view and multiple-view vision processes, model learning, integration of vision processes in manufacturing processes and vision servoing. Students will learn computer vision processing using MATLAB and/or LabView software with Machine Vision Toolbox.
Prerequisite(s): A minimum grade of "C" in MFGE 4533.
Cross Listing(s): MFGE 5335G.

MFGE 5336 Smart and Sustainable Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will cover fundamental concepts on the smart and sustainable manufacturing systems and methods. A review of 4th industrial revolution (Industry 4.0) and smart manufacturing will be presented which includes the fundamentals of wireless communications and data transferring. These concepts are related to smart manufacturing systems. Furthermore, sustainability of the materials and manufacturing processes will be discussed with the focus on design, manufacturing and operation in sustainable methodology.
Prerequisite(s): A minimum grade of "C" in MFGE 3131.
Cross Listing(s): MFGE 5336G.

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 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 5533 Heat Treatment and Microstructure of Metal
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide an in-depth explanation of microstructural development during the heat treatment and thermo-mechanical processing of steels. Topics included: quantitative metallography, the Fe-C Phase diagram, transformation upon heating/cooling, homogenization, grain size control, diffusion, and effects of alloy additions. The selection of proper heat treatments to facilitate fabrication and to yield required service properties in steels suitable for various applications is considered.
Prerequisite(s): A minimum grade of "C" in MFGE 2531.
Cross Listing(s): MFGE 5533G.

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 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 MFGE 3531 and MENG 5138.
Cross Listing(s): MFGE 5535G.

MFGE 5536 Characterization of Advanced Manufacturing Materials
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course will introduce 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 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 5538 Nondestructive Testing and Evaluation Techniques  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Principles of five basic NDE methods and their application in engineering inspections. Materials behavior and simple failure analysis. NDE reliability, and damage-tolerant design. Advanced methods such as acoustic microscopy, laser ultrasonic, thermal waves, computed tomography, and thermoelectrics are analyzed. Practical problem solving and simulation on all basic methods: ultrasonic, eddy currents, x-ray, liquid penetrants, magnetic testing, and visual inspection are performed.  
Prerequisite(s): A minimum grade of "C" in MFGE 3531.  
Cross Listing(s): MFGE 5538G.

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.  
Designed 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 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.  
Corequisite(s): MGED 3232, MGED 3332, MGED 3432, MGED 3532.

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.

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. 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 emphasis 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): A minimum grade of "C" in MGNT 3130.

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, organizational 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. Prevailing 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 4322 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.

MGSE Middle Grades/Secondary

MGSE 2150 Adolescent Growth/Development
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Developmental 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 5800 Comparative Health Care System
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in depth survey of the structure, function, and comparative performance of a variety of health care delivery and financing systems in the U.S. and other nations of the world.

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. 0 Lecture Hours. 0 Lab Hours.
Independent study and research in selected areas of Marketing under supervision of a member of the Marketing faculty.

MKTG 5830 Marketing Independent Study
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Cross Listing(s): MKTG 5830G.

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 and prior or current enrollment in MMFP 2335.

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): Prior or current enrollment with a minimum grade of "C" in COMM 2332.

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 and prior or current enrollment in 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 Single Camera Production
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 3334.

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 3335 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 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 3334.

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 2335 and MMFP 2336.

MMFP 3437 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 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 3532 Producing and Production Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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 2331, MMFP 2335, and MMFP 2336.

MMFP 4090 Multimedia Applications
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Change Catalog Description to: 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 and prior or current enrollment of MMFP 3532.
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.
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 3332 Feature Writing
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 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 orients 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/off-campus media outlets.
Prerequisite(s): MMJ 3711, departmental approval required.

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
2 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 2400 The American Military Experience
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the military experience in American history, from the colonial period to the present, including the combatant and non-combatant experience in war, the impact of conflict across American history, the development of military institutions, and the function of a military establishment in a free society. Elective for non-majors. Satisfies ROTC Military History requirement.
Cross Listing(s): HIST 2400.

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 leaders' 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 US 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-rope 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.
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.

Cross Listing(s): MSED 5333G.
Corequisite(s): MGED 3131.

### 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 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 3811 Applied Music**
- **1 Credit Hour.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 3812 Applied Music**
- **1 Credit Hour.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 3821 Applied Music**
- **2 Credit Hours.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 3822 Applied Music**
- **2 Credit Hours.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 4011 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 4300 Applied Music**
- **3 Credit Hours.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 4813 Applied Music**
- **1 Credit Hour.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 4814 Applied Music**
- **1 Credit Hour.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 4823 Applied Music**
- **2 Credit Hours.** 0 Lecture Hours. 0 Lab Hours.

**MUSA 4824 Applied Music**
- **2 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.

### MUSC Music

**MUSC 1100 Music Appreciation**
- **3 Credit Hours.** 3 Lecture Hours. 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 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 1315 Guitar Class Non-Major**
- **1 Credit Hour.** 1 Lecture Hour. 0 Lab Hours.
Basic elements of guitar performance for non-music majors.

**MUSC 1316 Voice Class Non-Major**
- **1 Credit Hour.** 1 Lecture Hour. 0 Lab Hours.
Basic elements of vocal performance for non-music majors.

**MUSC 1331 Music Theory I**
- **3 Credit Hours.** 3 Lecture Hours. 0 Lab Hours.
Development of a command of the fundamental elements in music notation and structure, paralleling the work in MUSC 1513. Emphasizes notation, scales, tonality, intervals, harmony, cadences, nonharmonic tones, texture, and melodic organization.

**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.
Prerequisite(s): A minimum grade of "C" in MUSC 1511.

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 2514.

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 for 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 3132 History of Music II
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
A chronological survey of music from the classic period to the present, 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 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 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 DMME 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).  
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 Impressionist 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 3460  Introduction to Music Industry  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An overview of the recording, entertainment and performing arts industries including an examination of the historical, aesthetic and commercial developments of the music industry in the United States.

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.  
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 1331.

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 4536  Live Sound Reinforcement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Overview of techniques and tools used in amplification of live sound performance in music and theater. Study of physical properties of sound, fundamentals of acoustics, and current technology and equipment.

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 4779  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 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 5040  Special Topics in Music Industry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Specialized study of a specifically-announced area in music industry.

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.
Cross Listing(s): MUSC  5232G.

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 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 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 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 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 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 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 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 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 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 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 5630  Music, Technology and Contemporary Culture
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Cross Listing(s): MUSC  5630G.

MUSE 3100  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.
NMLI 4332 Resource Development and Management 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.

NMLI 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 explores 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.

NMLI 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.

NMLI 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.

NMLI 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.

NMLI 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.

NMLI 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.

NMLI 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.

NMLI 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.

NMLI 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 policymaking. Provides students with insight into the work of philanthropy.
NMLI 2231 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.

NMLI 3632 Social Entrepreneurship, Enterprise, and Innovation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys 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.

NMLI 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.

NMLI 4332 Resource Development and Management 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.

NMLI 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.

NSCI Naval Science

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 1002 Seapower And Maritime Affairs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of American Naval and Maritime history from the American Revolution to the present with emphasis on major developments. Attention will be focused on Mahan's geopolitical theory; economic and maritime forces; U.S. military and maritime strategy; and a comparative analysis of American and foreign maritime strategies.

NSCI 1003 Sailing
3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
A foundation course that provides students with fundamental knowledge and skills to be a competent crew member. The course covers the basic theory of sailing, nontheoretical seamanship, boat equipment and safety, and application inland waters navigation rules for sailing craft. Upon completion of this course, students will be Skipper "B" qualified. Practical skills to be mastered consist of rigging and sailing from a pier; sail to weather; sail two figure eight courses with two tacks and two jibes; man overboard maneuver; a capsize; return to dock and secure.

NSCI 2001 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 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.
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 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.
NSCI 3004 Navigation II
3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
An in-depth study of piloting and celestial navigational 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.

NSCI 3101 Evolution Of Warfare
3 Credit Hours. 3 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.

NSCI 4001 Naval Ships Systems II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course outlines the theory and employment of naval RADAR, SONAR, and weapons systems. Students explore the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and naval ordnance. Fire control systems, major weapons types, and military platforms are discussed. The concept of command-control-communications and intelligence are explored as a means of weapons systems integration as are space and electronic warfare.

NSCI 4004 Leadership & Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of military leadership and management which investigates techniques and concepts of task accomplishment in the absence of a normative business environment. The course includes an examination of military law, ethical leadership, personal responsibility, authority and bureaucracy. The focus of discussion is on those normally present in civilian enterprise such as aspects of leadership and management not as operation in the presence of hostility and morale management.

NSCI 4050 Naval Drill
0 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces the student to basic military formations, movements, commands, courtesies and honors, and provides practice in unit leadership and management. Physical conditioning and training are provided to ensure students meet Navy/Marine Corps physical fitness standards. NSCI 4050 is required each semester for all NROTC students.

NSCI 4102 Amphibious Warfare
3 Credit Hours. 3 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 force concept, will be discussed.

NSCI 4103 Fundamentals of Maneuver Warfare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to introduce the student to the foundational concepts and history of the USMC as the premier Maneuver Warfighting Organization. It is a theoretical class that utilizes both historical examples from previous military operations as well as current doctrine, developing an individual who is both a critical thinker and scholar in the profession of arms. The goal is to educate the student to read military history analytically not to memorize facts. The foundation for the course occurs in Module One - Fundamental concepts and Themes. Module Two lays out the doctrine of maneuver warfare and Module Three describes the future of the Marine Corps and how it will continue to apply and advance the maneuver warfare philosophy and concept.

NSCI 4104 Leadership & Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of military leadership and management which investigates techniques and concepts of task accomplishment in the absence of a normative business environment. The course includes an examination of military law, ethical leadership, personal responsibility, authority and bureaucracy. The focus of discussion is on those normally present in civilian enterprise such as operation in the presence of hostility and morale management.

NTFS Nutrition and Food Science

NTFS 2514 Professional Practice Strategies
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Presents an overview of the career opportunities in nutrition, food science and dietetics. Focuses on the development of personal and professional skills required for success in the profession.

NTFS 2515 Professional Etiquette
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course considers an introduction to professional etiquette and common courtesies in the field of nutrition and food science including effective verbal, nonverbal and virtual communication skills. The impact of diversity and cultural awareness in the workplace will be discussed. Special emphasis will be placed upon taking initiative, accepting and giving constructive criticism, and integrating internal attitudes with external behaviors. Students will also utilize these skills through active involvement in nutrition and food science professional organizations.

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.

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.

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.

NTFS Nutrition and Food Science
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 3402 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-to-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 foodservice 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 pathophysiological 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 pathophysiological 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.

NUCM Nuclear Medicine Course

NUCM 3001 Nuclear Medicine I
6 Credit Hours. 5 Lecture Hours. 2 Lab Hours.
Introduction to the theory, principals 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.

NUCM 3100 Introduction to Nuclear Medicine 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 NUCM 3001.
Corequisite(s): NUCM 3002.

NUCM 4101 Nuclear Medicine Clinical Education I
5 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing nuclear medicine procedures.
Prerequisite(s): A minimum grade of "C" in NUCM 3100 and DDTS 3001.

NUCM 4102 Nuclear Medicine Clinical Education II
6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing nuclear medicine procedures.
Prerequisite(s): A minimum grade of "C" in NUCM 4101.

NUCM 4103 Nuclear Medicine Clinical Education III
9 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing nuclear medicine and CP procedures.
Prerequisite(s): A minimum grade of "C" in NUCM 4102.

NUCM 4200 Nuclear Medicine Synthesis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A discussion of general and advanced theoretical concepts of Nuclear Medicine.
Prerequisite(s): A minimum grade of "C" NUCM 3003 and NUCM 4102.

NURS Nursing

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 (2015).
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 3103  Professional Nursing Practice
2 Credit Hours.  2 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).
Prerequisite(s): Accepted in Nursing Program.

NURS 3104  Pharmacology I
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
The course provides the student with an introduction to 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 and select medications are addressed.
Prerequisite(s): Accepted in Nursing Program.

NURS 3105  Pharmacology II
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
The course builds from Pharmacology I, providing students with the assessment and management of medications for a diverse population of adults with chronic and acute illness. 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. Correlating diseases and disorders to common medication treatment plans is initiated at this level.
Prerequisite(s): A minimum grade of "C" in NURS 3101, NURS 3102, NURS 3103, NURS 3104.

NURS 3107  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 3101, NURS 3102, NURS 3103, NURS 3104.

NURS 3108  Mental Health Nursing
5 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 Indiv 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/Essntls of Nurs Pr Lab
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours.

NURS 3345L  Adult Health I Lab
0 Credit Hours.  0 Lecture Hours.  3 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 and BIOL 2275.

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 expanded 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 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): A minimum grade of "C" in NURS 3101.

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 4133 Perioperative Nursing
3 Credit Hours. 1 Lecture Hour. 6 Lab Hours.
Explores the role of nursing in the perioperative setting.
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 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: Scope and Standards of Practice: Nursing: Scope and Standards of Practice (2015).
Prerequisite(s): Permission of instructor.

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 client's 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 facility 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 of 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.

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.

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.).

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.

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 Nurs Extern Lab
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4225L Med-Surg Onc Nurs Extern Lab
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4226L Med-Surg Comp Nurs Extern 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.

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 current American Nurses’ Association Nursing: Scope and Standards of Practice.

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.

NURS 4304 Complementary Therapeutic Modalities Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

NURS 4305 Complementary Therapeutic Modalities Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

NURS 4306 Complementary Therapeutic Modalities Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

NURS 4307 Complementary Therapeutic Modalities Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
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 fieldwork, 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 assessment findings, presenting health data to groups, facilitating the 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. 0 Lab Hours.
Therapeutic nursing interventions to promote health and prevent illness of women and children in a variety of clinical settings.
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.

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.
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 BUSA 3131 or STAT 1401.

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 OSMC 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 OSMC 4435.

OR

OSCM 4438 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 OSMC 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 3731 Public Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the topic of public policy including the historical foundations and theories of the field. Emphasis is placed on the significance of public policy in addressing pressing social issues and the social, economic, political, and cultural contexts of public policy.

PBAD 3732 Policy Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the evidence-based methods used to create, implement, and study substantive public policy problems. This includes an investigation into the process of policy analysis, as well as the tools frequently employed at each step. The intent is to improve the quality of policy-making by critically examining the design and relevance of policies, their implementation and execution, and their impact on households, communities, and the society at large.
PBAD 3733 Contemporary Policy Issues
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This class explores a number of core substantive policy areas that
represent a substantial part of contemporary U.S. policy-making. It offers
a comprehensive overview of each topic area and then probes more
depth into each topic. This includes an overview of the major policies and
programs within each area, how they came into effect, and current or likely
reforms in terms of effectiveness, efficiency, equity, ethics, or political
feasibility.

PBAD 4031 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 4231 Administrative Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as an introduction to administrative law providing
students with practical knowledge about administrative law procedures,
how administrative law fits into the constitutional and legal framework,
and the role of administrative law in policy. This course is designed
to introduce students to decision-making based on a public agency's
operating rules.

PBAD 4232 Public Service Values and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course investigates ethical concerns found in the public and nonprofit
sectors, including the underlying values and norms that comprise these
sectors. An emphasis is placed on the relationship between democracy
and administrative decision-making, a focus on accountability, and the role
of ethical actors in the resolution of value conflicts.

PBAD 4233 Human Capital Management for Administrators
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on human resources management in a public sector
context. Particular emphasis is placed on the past developments and future
challenges in the field. Topics such as employee recruitment, selection, and compensation, as well as more contemporary issues such as
diversity management are addressed.

PBAD 4234 IT and E-government for Public Managers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines organizational societal value structures and the
ways in which technology creates rapid change and new alternatives in values. The impact of e-government initiatives and social media on the
way governments interact with the public is explored.

PBAD 4235 Research Methods and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course familiarizes students with the basic approaches to social
research as applied in public and service settings. Emphasis is placed on
methods for organizing and presenting data for policy and management
decision-making.

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 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 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.

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): Completion of 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 fingerguards.

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 cardiorespiratory 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 cardiorespiratory 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, I.C.T., 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. Students must provide own racket and one can of new tennis balls.
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.

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 the student's 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 Eleme 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:Prvtn/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 are 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. 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 Instructn
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 Htl/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 misuse, abuse, prevention, treatment, along with curriculum and age-appropriate teaching strategies.

PEHM 4000  Measure & Eval in Hlt and Pe
2 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 Hlt/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 Currclm/Math
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.
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 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 2100.

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 skepticism, 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 philosophic traditions that have oppressed women and other subordinate groups.

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 ideas and assumptions in the Irish philosophical tradition that have been developed over the centuries from the tradition that led to significant changes in Western discourse on politics, aesthetics, and science.

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.

PHSC Physical Science

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.  2 Lab Hours.
Laboratory investigations of the fundamental concepts, laws, and theories of physics.
Prerequisite(s): Prior or concurrent enrollment in PHSC 1211.

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 MATH 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 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 1210 Survey of Physics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This is an introductory survey physics course designed for freshman physics majors, which includes a math review, introduction to programming and graphing, reading scientific papers and review of basic physics concepts. Students will discuss physics research topics with current faculty.

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): Completion of 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.
Presents 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 inter-
relate 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): A minimum grade of "D" in 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.  
This is a laboratory course where students will learn how to critically read 
and understand how to develop circuits that utilize analog electronics.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

PHYS 3543  Digital 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 3558  Introduction to General Relativity  
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 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 4332  Principles of Lasers  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the 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 3536.  

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): A minimum grade of "D" in 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 throughout 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 Lecture Hours.  0 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.
Disruption and modernization, with an 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): A minimum grade of "C" in 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.
The ability of elected bodies whether they are local, state, regional, or national to represent the preferences of their constituents is linked to the ability of elected officials, their staffs, and the executive agency administrators to manage change in an arena of inadequate information. This course will examine decision making, agenda setting, elections, and institutional arrangements with a particular concern for the mechanisms legislatures have for processing information. Students will become familiar with the three contemporary approaches to the study of legislatures: historical, behavioral, and formal.

POLS 3136 The Presidency
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 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): EU ROI 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 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.
POL 3334 Film and Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Consider 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.

POL 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.

POL 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 2101.

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.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POL 3439 Comparative Judicial Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with a theoretical and empirical understanding of the role of courts in the modern state, and explanations for their increasing importance as political actors worldwide. Students gain the background necessary to navigate courts in disparate political landscapes.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POL 3449 Torts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides a practical and theoretical overview of civil wrongs. Political, social and economic consequences of individual behavior is examined. In addition, topics involving negligence actions, intentional torts, strict liability, and products liability are reviewed.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POL 3460 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 2101.

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.
POLS 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.

POLS 4133  International Political Economy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines the interplay between international politics and international economies or business or the process of international wealth acquisition and transfer. Emphasis will be on the dynamics that give rise to asymmetric distributions: who gets what, when and how among different players in the global economy.

POLS 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.

POLS 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.

POLS 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.

POLS 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 development and implementation of immigration law and policy, and current controversies in the field, employing a comparative perspective. 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 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 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 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 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 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.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): POLS 5633G, 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.

POLS 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.

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 3339 Public Relations Publications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides 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.
**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, descriptive, 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 1113 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.

**PSYC 3106 Social Psychology**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies the social determinants of human behavior and surveys current theories and findings in such major content areas as social cognition, attitudes, social influence, interpersonal attraction, prosocial behavior, aggression, prejudice, and group processes.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3141 Research and Analysis II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students are introduced to intermediate statistics and research methods used in psychology, including experimental control, validity, descriptive and inferential statistics.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 and PSYC 2231.
Corequisite(s): PSYC 3142.
PSYC 3142 Research and Analysis II Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
This lab will focus on psychological research design, data collection methods, and statistical analyses.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 and PSYC 2231.
Corequisite(s): PSYC 3141.

PSYC 3170 Human Resource Development Skills
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to theoretical and applied intervention principles of human resources development for public and private settings.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3230 Psychology of Adjustment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies the factors that promote psychological adjustment with emphasis on self-help techniques.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3231 Psychology of Religion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the literature of the psychology of religion, including the functions of religiousness, types of religious experiences, religious motivation, and the relationship between religion and mental health.
Prerequisite(s): A minimum grade of "C" in PSYC 1101, C.

PSYC 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): A minimum grade of "C" in PSYC 1101.
Cross Listing(s): INTS 3232.

PSYC 3234 Industrial/Organizational Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to psychological study of behavior in the workplace, including application of psychology to such areas as personnel testing, job performance and employee morale.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3235 Behavior Modification
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory survey of the application of learning principles and procedures used in the establishment, maintenance, and modification of complex human behavior in clinical situations, as well as the natural environment with particular attention given to ethical issues associated with the use of behavior change techniques.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3236 Psychology of Substance Abuse
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An intensive and critical analysis of the normative and deviant use of various substances with emphasis placed on substance use, misuse, and abuse within a framework integrating the psychological, social, and biological aspects of substance use throughout history, including stimulant, depressant, hallucinogenic, and psychotherapeutic drugs.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3237 Psychology of Human Sexuality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on sexual motivation, attraction and love, sexual orientation, sexual techniques, sexual morals and politics, paraphilia, erotica, sexual dysfunctions and therapy, and the place of sexuality in the experience of being human, with secondary attention given to sexual anatomy and physiology, and contraception.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3331 Child Developmental Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines psychological theories, research and application of psychology as these relate to developmental processes from childhood through adolescence.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3332 Adolescent Developmental Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines psychological theories, research and application of psychology as these relate to developmental processes in adolescence.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or SOCI 2130.

PSYC 3333 Personality Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys research findings on selected aspects of personality, as well as determinants and development of personality, research methods, and personality assessments.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3337 Psychological Tests and Measurements
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an overview of psychological assessment with emphasis on the construction and use of psychological tests.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3338 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 the development of leadership skills.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3339 Older Adult Developmental Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines psychological theories, research and application of psychology as these relate to developmental processes in older adulthood.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or SOCI 2130.

PSYC 3400 Introduction to Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the variables and processes responsible for conditioning and learning in humans and non-humans. Application of principles and real-world examples. In the B.S. degree it counts as an elective only.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3410 Introduction to Behavior Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction and overview of basic concepts and principles of behavior analysis. Variables and processes responsible for conditioning and learning in human and non-human organisms will be discussed.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3420 Principles of Behavior Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced examination of the concepts and principles of behavior analysis and how they can be applied to make socially meaningful changes in behavior. Specific procedures to increase desirable behavior and decrease unwanted behaviors are highlighted, with a focus on human behavior.
Prerequisite(s): A minimum grade of "C" in PSYC 3410 or PSYC 3400.
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 behavioral 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 3430.

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 methodology, 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 cognition 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
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Students engage in an instructor-approved project that relates psychology to a service-learning project. 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 3899 Directed Study in Experiential Learning
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students explore unique, experiential learning opportunities related to psychology not offered in the regular curriculum through a directed study arrangement. This course includes components that meet the experiential learning requirement in the curriculum.
Prerequisite(s): A minimum grade of "C" earned in PSYC 1101.

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 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 4191 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 of "C" in PSYC 3141.

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.
Prepares students for the understanding of sensory and perceptual functioning.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4434 Animal Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of methods, theories, and research in nonhuman animal behavior from the perspective of psychology, with attention to comparative and evolutionary theories of human behavior.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4435 Comparative Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comparison of the similarities and differences in adaptations, behaviors, and mental processes that enable organisms to function effectively within their environments viewed from mechanistic, comparative, developmental, and evolutionary perspectives.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4436 Theories of Psychotherapy
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 1101.

PSYC 4485 Evidence-Based Decision-Making
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will apply previously-learned and novel major content and analytical techniques to make data-driven recommendations to solve real-world problems. There will be special emphasis on effective group decision-making as well as the creation of executive reports that demonstrate clear integration of results, data visualization, and recommendations.
Prerequisite(s): A minimum grade of "C" in PSYC 3141 and PSYC 3641.

PSYC 4502 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 4991 Learning and Behavior Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Conduct behavioral experiments with nonhuman animals. Collect and analyze data and write research reports.
Prerequisite(s): A minimum grade of "C" in PSYC 3141.

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.

PSYG 6620 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 5060.
Cross Listing(s): PSYC 5061G.

PSYG 5610 Nature/Needs Talented/Gifted
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 6600 Meth & Mats Child Talented
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to introduce students to the field of child talent and giftedness. Topics include the identification and assessment of talented and gifted children, the development of appropriate curricula, and the implementation of effective teaching strategies.

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 of 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.

PSYG Psychology-GOML

PSYG 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.

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 course 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 workplace). 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 health, well-being, and equality 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.

PUBH 4232  Global Environmental Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides students with and overview of global environmental health challenges in 21st century. Regional and global impact of environmental health hazards will be compared at the systems level. Current topics in global environmental health will target new challenges faced under the changing climate and emerging diseases. International environmental health policies will be compared with local practices.
Prerequisite(s): Sophomore standing and a minimum grade of "C" in PUBH 3431.

PUBH 4233  Topics in Global Epidemiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will introduce students to the field of epidemiology as applied in a global context. Students will be introduced to basic concepts of epidemiology as well as an overview of topics across the discipline. Special emphasis will be made on health issues in the low and middle income countries, and case studies will be used as examples to illustrate concepts and topics of epidemiology.
Prerequisite(s): Sophomore standing and a minimum grade of "C" in PUBH 3431.

PUBH 4234  International Development in Health (Poverty, Social Justice and Global Health)
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will describe key cultural, social, and economic issues and methods in global health, and thus provide essential background for other core courses. The course is interdisciplinary, emphasizing the fields of anthropology, sociology, public health, global health, and critical global health studies. This course explores aspects of health inequalities and demonstrates how the sources of health inequalities (including globalization, the impact of social, economic, and political systems, the local and global economy, transnational organizations, culture, race, class, gender, and sexuality) are rooted in injustices that create and sustain the conditions that lead to disparities in health status and health care both domestically and globally.
Prerequisite(s): Sophomore standing and a minimum grade of "C" in PUBH 3431.

PUBH 4330  Promotional Strategies for Health Programs
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the application of social marketing and communication theory to the development of strategies to enhance health education and promotion programs.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 4331  Occupational Health in Public Health Practice
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an overview of the key issues and practices related to workplace hazards in public health practice. Students will be introduced key concepts of environmental epidemiology, toxicology, preparedness, disease management, prevention, and health promotion in occupational settings that both workers and the public are impacted. The course covers primary methods of pollutant exposure assessment, basic understanding of environmental toxicology, health effects of chemical, biological, and physical agents in a variety of facilities from agricultural, to service industry, private sector to healthcare settings. Students will also be introduced to safety regulations in these settings.

PUBH 4332  Environmental Health Practice
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces students to applied environmental health sciences. Emphasis is placed on hands-on, practical experiences provided by experts/practitioners in the field. This course is expected to prepare students for employment opportunities related to food safety and hygiene; emerging vector-borne diseases; industrial hygiene; and environmental health inspections including restaurants, hotels, and healthcare facilities, recreational environments, and waste management.

PUBH 4333  Public Health Aspects of Vector-borne Diseases: Control and Prevention
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an overview of common vector-borne diseases, discusses public health preventive practices, and introduces students to the concepts of the planning, design, implementation and management of control of vector-borne infectious diseases.

PUBH 4334  Food Safety and Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides a comprehensive overview of food safety and its implications to public health. Specific areas of emphasis include the historical perspectives and current trends pertinent to food safety issues, etiology and assessment of food-borne illness, food contamination and related public health concerns, and strategies for the prevention of food-borne illness. This course will also provide students the opportunity to get certified in ServSafe, a nationally recognized food safety training program. Students will also be required to prepare food under the supervision of the instructor.

PUBH 4611  Hlth Honors Thesis Seminar III
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
In a seminar setting, students will continue writing and revising their thesis. This course provides the student with the opportunity to revise manuscript proposal based upon previous work in Honors Thesis Seminar I and II. Students will be guided through primary data collection and analysis. Students will also complete writing the first draft of the Research Manuscript adhering to current APA style manual.

PUBH 4612  Hlth Honors Thesis Seminar IV
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Students will complete an Honors Research thesis and successfully defend their original research project to their Research Director and Research Committee. Revisions to the Honors thesis will be based upon feedback from the oral defense. To demonstrate proficiency in oral research presentation, students will present their original research at the Honors Research Symposium and Phi Kappa Phi Research Symposium. Finally, students will be required to submit the final Research Manuscript for publication in a professional format.
PUBH 4798 Internship in Public Health
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course provides the senior level Public Health majors with a practical experience in an appropriate practice setting. Students must complete all course work in the Public Health major prior to enrolling in this course.

PUBH 4890 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 5520 Introduction to Public Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to give students a foundation in the core functions of 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 5520G.

**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 computerized 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 3000 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 radiological 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 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.  1 Lecture Hour.  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 MATH 1111 or MATH 1113 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.
Corequisite(s): RADS 3100L.

RADS 3100L Medical Comm Skills Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.

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.

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 Edu 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.
Corerequisite(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 Ill 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 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 3601.

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 Lab III
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 Lab IV
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 Sonography 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 Sonography 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
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. 1 Lab Hour.
RADS 3761 Cardiovascular Clinical Edu
2 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 imaging 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 3090 and RADS 3652.
RADS 4163 Radiography Clinical Ed III
1-3 Credit Hours. 0 Lecture Hours. 1-3 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3652.
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 Computed Tomography Clinic 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 Clinic 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 computerized 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.

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 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 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 radiography 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 an 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" and prior or concurrent enrollment 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 modes, half-life, radiation interactions, radiation measurements and instrumentation.
Prerequisite(s): A minimum grade of "C" in RADS 3090 and 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 tomography.
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 Nuclear Medicine Inquiry
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 Vas 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.

RADS 4750L Pt. Assessment and Monitoring Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Prerequisite(s): A minimum grade of "C" in RADS 3750 and RADS 3772.
Corequisite(s): RADS 4750.

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 4753.

RADS 4763  Cardiovac 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 4792.

RADS 4771  Cardiovascular Synthesis  
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.  
Discussion of theoretical concepts in cardiovascular interventional technology as they relate to practice.  
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4764 and prior or concurrent enrollment in RADS 4765.

RADS 4772  Cardiovascular Seminar  
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.  
Discussion of advanced theoretical concepts in cardiovascular interventional technology as they relate to practice.  
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4764 and prior or concurrent enrollment in RADS 4765.

RADS 4773  Fluoro Proce in Pract of Cvis  
6 Credit Hours.  1 Lecture Hour.  0 Lab Hours.  
Synthesis of knowledge and skills utilizing fluoroscopy in the practice of cardiovascular imaging.  
Prerequisite(s): A minimum grade of "C" in RADS 3090 and RADS 3762.

RADS 4773L  Fluor Proc in Pract of Cvis Lab  
0 Credit Hours.  0 Lecture Hours.  16 Lab Hours.  
Corequisite(s): RADS 4773.

RADS 4800  Rsrch Method in Rad Sci  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.  
Application of quantitative and qualitative approaches to research issues specific to the Radiologic Sciences. Topics covered include development of research questions, study design, methodology, data collection and analysis.  
Prerequisite(s): A minimum grade of "C" in HLPR 2000 and completion of MATH 1401.

**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 photogaphic properties, image quality evaluation, and image display.

RDSC 3060L  Prin of Image Form & Evalu Lab  
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.

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 4101 or CVIS 4101 or NUCM 4101 or RTHR 4101 or SONO 4101 and RADR 4102 or CVIS 4102 or NUCM 4102 or RTHR 4102 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.
RECR 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.

RECR Recreation

RECR 1530 Introduction to Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Historical examination of the leisure services profession; sociological, economic, psychological, political, and technological considerations for the delivery of leisure and recreation services in contemporary society.

RECR 2131 Introduction to Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will expose students to the historical and philosophical underpinnings of the recreational therapy profession. Additionally, significant class time will be spent exploring a variety of counseling techniques, leadership styles, and recreational therapy settings.

RECR 2136 Disability, Health, and Rehabilitation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with the opportunity to explore multiple disability types and their respective settings, societal and personal attitudes regarding disabilities, inclusion, and adaptive and assistive technologies.

RECR 2530 Leadership and Programming in Leisure Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides a basic understanding of the practice and theory of recreation program development and leadership in various service settings. Covers the process of recreation programming, principles of leadership, meeting the needs of a diversity of participants, and the implementation of programs and activities.

RECR 3135 Program Planning in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address issues related to the development of comprehensive and individual program plans. Students will have the opportunity to develop specific program plans, complete activity analyses, and engage with clients in the recreational therapy facility of their choosing.

RECR 3137 Facilitating Experiences in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address topics including experiential learning and debriefing children with specific focus placed on how to debrief therapeutic activities to address client improvement. Significant class time will be spent engaging in activities designed to help students master class concepts. Additionally, class time will be spent at the Georgia Southern Challenge Course.

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, festivities, 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.
Prepares students for the recreation internship program and subsequent professional employment. Topics include professionalism in recreation and leisure services, development of internship goals, identification of potential internship sites, preparation of cover letters and resumes, interviewing techniques, and selection of the internship site. Students will have the opportunity to interact with recent GSU graduates and professionals within the recreation and leisure services profession.
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" and 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.
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 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.

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.

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.

RELS 3230 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.

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.
RESP Respiratory Therapy

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 3120L.

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.

RESP 3220L Respiratory Care Fund Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
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 disorders, 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 dependant 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.
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 disorders, breathing, and obesity.

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.
RHAB Rehabilitation Sciences

RHAB 1000 Introduction to Rehabilitation Sciences
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Description of the different rehabilitative professions and exploration of the rehabilitation sciences major.

RHAB 3101 Basic Tactical Athlete
3 Credit Hours. 1 Lecture Hour. 2 Lab Hours.
Fundamental instruction in the basic assessment of endurance, strength and mobility. Corrective exercises and movements, based on assessment, will also be discussed. The course is split into the following three categories: endurance, mobility, and strength. The didactic and lab material will address each of the aforementioned categories.

Prerequisite(s): Permission of Instructor.

RHAB 3102 Trainer Tactical Athlete
3 Credit Hours. 1 Lecture Hour. 2 Lab Hours.
Fundamental instruction in the basic assessment of endurance, strength and mobility. Corrective exercises and movements, based on assessment, will also be discussed. The course is split into the following three categories: endurance, mobility, and strength. The didactic and lab material will address each of the aforementioned categories.

Prerequisite(s): Departmental Approval.

RHAB 3103 Programming Tactical Athlete
3 Credit Hours. 1 Lecture Hour. 2 Lab Hours.
Advanced instruction in the basics of programming for endurance activities, mobility exercises, and strength training. The course will differentiate between small scale programming and large scale. Students will have the opportunity to synthesize and apply the concepts from the Basic and Trainer courses in a semester long project.

Prerequisite(s): Departmental Approval.

RHAB 4000 Appl of Research to Rehab Prof
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of quantitative and qualitative approaches to research issues specific to the rehabilitative professions.

Prerequisite(s): MATH 1401 and a minimum grade of "C" in HLPR 2000 or permission of instructor.

RHAB 4100 Neuroscience for the Rehabilitation Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic neuroanatomy, neurophysiology and neuropharmacology 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.

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**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, Tivoli, 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 term 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, Tivoli, 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 term 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, Tivoli, Tranquinia, and Frascati, the student experiences life in the ancient world.

Prerequisite(s): LATN 1002.

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**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. 2 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 the 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 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.

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.

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 Incl Dis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEAC 5510 Curric Stndts 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: Individ 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.

SEGA Valdosta State Franchise

SEGC 5140 Collaborative Roles in Education 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

SLPA Speech/Language Path

SLPA 1220 Intro Communication Disorders 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Types, characteristics, etiologies, and treatment methodologies of various communication disorders in children and adults.

SLPA 2230 Anat/Phys Speech/Hearing Mech 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Anatomy and physiology of areas of respiration, phonation, articulation, cerebration/nervous system and audition; functional correlates to the communication process. Field experiences required.

SLPA 2230L Anat/Phys of Spc/Hrg MECH Lab 0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

SLPA 2250 Phonetics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
International Phonetic Alphabet(IPA) in speech-language pathology. IPA transcription of connected speech (normal and disordered), important characteristics of regional/ cultural dialects.

SLPA 3150 Normal Speech/Lang Develop 3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
Phonological, morphological, semantic, syntactic, and pragmatic growth. Observation practicum required.

SLPA 3410 Intro to Audiology 3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
Introduction to etiology, characteristics, assessment, and rehabilitation of individuals with hearing impairments. Directed observation.
Cross Listing(s): CSDS 3410.

SLPA 4180L Dir. Obs. Spe/Lang Path 0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

SLPA 4210 Senior Seminar 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Contemporary issues, principles, and practices specific to speech-language pathology.

SLPA 4350 Speech Science 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Physiological production, acoustics, physics of speech, analysis of speech, and technology-related instrumentation available to assess the parameters of speech production.

SLPA 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 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 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 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 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. Student will investigate effective strategies for long-term changes in body fatness and lean body mass.
Cross Listing(s): SMED 5600G.

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 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 well/health 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.
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.

SMGT 2230 Social Issues of Sport
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Helps the student understand the social aspect of sport. Specifically, examines such topics as how social phenomena affect sport participation and behavior, and how the dynamic nature and diverse parameters of society affect the sport industry.
Prerequisite(s): A grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

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, COMM 2332, 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 1401.

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. 0 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" 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 1110, 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 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 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, CISIM 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, CISIM 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, CISIM 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.

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 1102 Sociology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

SOCI 1104 Race and Ethnicity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

SOCI 1107 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 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 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.
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 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 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 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 toward 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. 0-18 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 childbearing, 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.  
An analysis of American social welfare policy. Covers programs and policies under public, voluntary, and proprietary auspices in the areas of income maintenance, mental health and substance abuse, health care, child welfare, nutrition, housing, and employment.

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  
3-9 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.

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, & Phys II Lab  
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
SPAN Spanish

SPAN 3003 Sonographic Principles, Theory, and Physics III
3 Credit Hours. 4 Lecture Hours. 6 Lab Hours.
This course is 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, 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 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.
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 Spanish-speaking environment and to take SPAN upper-division courses.
Prerequisite(s): A minimum grade of "C" in SPAN 2001.

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 or any upper-division SPAN course.

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 or any upper-division SPAN course.

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 or any upper-division SPAN course.

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 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 on 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 3366 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 or any upper-division SPAN course.

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 or any upper-division SPAN course.

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 or any upper-division SPAN course.

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 or any upper-division SPAN course.

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 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 listening, speaking, writing, and reading 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
<th>Prerequisite(s)</th>
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<tbody>
<tr>
<td>SPAN 4132</td>
<td>Introduction to Hispanic Linguistics</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>A minimum grade of &quot;C&quot; in SPAN 3131 &amp; SPAN 3132.</td>
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<tr>
<td>SPAN 4195</td>
<td>Studies Abroad: Advanced Language</td>
<td>3</td>
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<td>Prerequisite(s): Departmental approval.</td>
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<td>SPAN 4200</td>
<td>Introduction to Hispanic Literature</td>
<td>3</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<tr>
<td>SPAN 4231</td>
<td>Spanish American Life, Literature, and Thought</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<tr>
<td>SPAN 4233</td>
<td>Peninsular Life, Literature, and Thought</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<td>SPAN 4295</td>
<td>Studies Abroad: Advanced Civilization</td>
<td>3</td>
<td>3</td>
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<td>Prerequisite(s): Departmental approval.</td>
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<td>SPAN 4530</td>
<td>Advanced Spanish for the Professions</td>
<td>3</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<td>SPAN 4532</td>
<td>Foundations of Translation</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<tr>
<td>SPAN 4890</td>
<td>Directed Study in Spanish</td>
<td>1-3</td>
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<td>Prerequisite(s): Departmental approval.</td>
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<td>SPAN 5030</td>
<td>Selected Topics in Spanish</td>
<td>1-3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<tr>
<td>SPAN 5090</td>
<td>Selected Topics in Spanish</td>
<td>1-3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<td>SPAN 5230</td>
<td>Studies in Hispanic History</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<tr>
<td>SPAN 5232</td>
<td>Studies in Hispanic Societies</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<td>SPAN 5234</td>
<td>Studies in Hispanic Literature</td>
<td>3</td>
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<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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<td>SPAN 5311</td>
<td>Latinos in the U.S.</td>
<td>3</td>
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<td>Prerequisite(s): Departmental approval.</td>
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<td>SPAN 5332</td>
<td>Studies in Hispanic Film</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>Prerequisite(s): A minimum grade of &quot;C&quot; in SPAN 3131 and SPAN 3132.</td>
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</table>

**Notes:**
- The courses focus on various aspects of Spanish studies, including literature, language, and civilization.
- Prerequisites are specified for each course.
- Cross-listing options are available for some courses.
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. 
Corequisite(s): SPAN 5442G.

**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. Candidates seeking certification must earn a "B" or higher in this course.  
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 3131.

**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.  
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.

**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 Teacher Education Program and a minimum grade of "C" and prior or concurrent enrollment in MGED 3731.

**SPED 3332 Introduction to SPED in Middle and Secondary Grades**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to examine the etiology, diagnosis, characteristics, effective teaching strategies, and philosophical, educational, and legal implications of the full range of students who demonstrate a need for additional educational services in order to achieve full potential. Candidates seeking certification must earn a "B" or better in this course.  
Prerequisite(s): Admission to Teacher Education Program.

**SPED 3631 Inclusive Practices**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to examine the etiology, diagnosis, characteristics, effective teaching strategies, and philosophical, educational, and legal implications of the full range of students who demonstrate a need for additional educational services in order to achieve full potential. Candidates seeking certification must earn a "B" or better in this course.  
Prerequisite(s): Admission to Teacher Education Program.

**SPED 4090 Special Education Special Topics**  
3-12 Credit Hours. 3-12 Lecture Hours. 0 Lab Hours.  
Designed to provide additional specialized field-based experience or remedial coursework as needed to meet the needs of preservice teachers. Attention will be focused on providing opportunities for strengthening skills necessary to special education teachers.  
Prerequisite(s): Approval of advisor, instructor, and department chair.

**SPED 4230 Instructional and Behavior Management Methods, P-5**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course will provide preservice candidates with practical methods for planning and managing group and individualized instruction in all curriculum areas for individuals with mild disabilities, preschool through grade 5. It includes review, demonstration, and preparation of programs, methods, and materials for such instruction in both general and special education classrooms. The course is part of the Special Education Block experience and includes a field component.  
Corequisite(s): SPED 4733.
SPED 4231 Instructional and Behavior Management Methods, 6-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide preservice candidates with practical methods for planning and managing group and individualized instruction in all curriculum areas for individuals with mild disabilities, grades 6 through 12. It includes review, demonstration, and preparation of programs, methods, and materials for such instruction in both regular and special education classrooms. Instruction in methods for transitioning is one of the primary foci of this course. The course is part of the Special Education Block experience.
Prerequisite(s): A minimum grade of "C" in SPED 4230 and SPED 4733.

SPED 4333 Special Education Math Methods
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.
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 3231 and SPED 4231 and SPED 4734.
Corequisite(s): SPED 5799.

SPED 4733 SPED P-5 Practicum
3 Credit Hours. 0 Lecture Hours. 0 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.
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 4799 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.

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.

SSCI Social Science

SSCI 2960 Foreign Language and Culture
1-15 Credit Hours. 0-15 Lecture Hours. 0 Lab Hours.
Offered as part of a study abroad or global studies program. Instruction in language and/or culture of a foreign country or people.

STAT Statistics

STAT 0996 Support for Elementary Statistics
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This Learning Support course provides corequisite support for students enrolled in STAT 1401 – Elementary Statistics. Topics will parallel topics being studied in STAT 1401 and the course will provide support for the essential skills needed to be successful in STAT 1401. Taken with STAT 1401, topics to be covered will include descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistics topics.
Corequisite(s): STAT 1401.
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.
Cross Listing(s): MATH 1401.

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 App 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 statistics 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, systematic, 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 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 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 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 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 the following: MATH 2160, MATH 2243, and at least one of MATH 3337 or STAT 5531.
Cross Listing(s): STAT 5660G, MATH 5660, MATH 5660G.

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 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 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 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 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.
Cross Listing(s): STAT 5532.

STAT 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 STAT 5531.
Cross Listing(s): STAT 5532.
STAT 7231 Design of Experiments I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various statistically designed experiments are introduced including randomized blocks designs, Latin squares, incomplete block designs, factorial and fractional factorial designs with and without confounding and nested designs.
Prerequisite(s): Completion of STAT 5531 or STAT 5531G.

STAT 7232 Design of Experiments II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Response surface methodology is introduced. First- and second-order models and designs are studied which includes determining optimum conditions and methods of estimating response surfaces. Multiresponse experiments, nonlinear response surface models, and mixture designs are also studied.
Prerequisite(s): Completion of STAT 7231.

STAT 7234 Statistical Process Control
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Philosophy of statistical process control is studied along with SPC techniques of control charts, process-capability, designed experiments and acceptance sampling.
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 3500 Sustainability Research Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The process of research will be studied from the scientific method. Students practice reading scientific literature and discuss commonly employed methods of data analysis. Skills to be covered include literature and scientific writing, scientific ethics, report writing, and presentation skills. Additional topics to be covered include career options and resume/interviewing skills.

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.
SUST 4900 Sustainability Research
1-3 Credit Hours. 0 Lecture Hours. 3-9 Lab Hours.
An independent research experience in which a student will investigate a research problem under the direction of a faculty member.
Prerequisite(s): Permission of instructor required.

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 Teach Cult Ling Div Stdnt

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.
The 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 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.
The 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 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.
The 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.

TCLD 7336 Globalization, Immigration, and Teaching ELLs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The 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.

TCLD 7338 Special Education-ELL Interface & Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will provide an overview of assessment, best practices, and education as they relate to culturally and linguistically diverse students with and without disabilities. Emphasis is placed on assessment issues as they relate to English Language Learners.

TCLD 8538 Advanced ELL & Bilingual Teaching Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The 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.

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 all of the following CENG 1133 or ENGR 1133 or TCM 1232 and MATH 1112 or MATH 1113 or 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 all of the following TCM 1232 or ENGR 1133 or CENG 1133 and PHYS 1111K or PHYS 2211K 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 1111K or PHYS 2211K.

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 2321 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 2235.

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 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 architectural and structural drawings.
Prerequisite(s): A minimum grade of "C" in all of the following CENG 1133 or ENGR 1133 or TCM 1232 and TCM 1131 or permission of 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 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 2106.
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<th>Course Code</th>
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<td>TCM 5333</td>
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<td>Proj Planning/Scheduling</td>
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**Prerequisite(s):** A minimum grade of "C" in MATH 1112, MATH 1113, MATH 1441.

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**Prerequisite(s):**

- Completion of TCM 2233.
- A minimum grade of "C" in TCM 1231 or STAT 1401.
- A minimum grade of "C" in TCM 1232 or ENGR 1133.
- A minimum grade of "C" in TCM 1231 or STAT 1401.
- A minimum grade of "C" in TCM 1232 or ENGR 1133.
- A minimum grade of "C" in TCM 3331 or CENG 3135.
- A minimum grade of "C" in TCM 3332 or CENG 2231.
- A minimum grade of "C" in TCM 3331 or CENG 3135.
- A minimum grade of "C" in TCM 3332 or CENG 2231.
- A minimum grade of "C" in TCM 3331 or CENG 3135 or permission of instructor.
- A minimum grade of "C" in TCM 3330 or CENG 3135 or permission of instructor.
- A minimum grade of "C" in TCM 3331 or CENG 3135 or permission of instructor.
- A minimum grade of "C" in TCM 3331 or CENG 3135 or permission of instructor.
- A minimum grade of "C" in TCM 1231 and STAT 1401 or permission of instructor.
- A minimum grade of "C" in TCM 5330 or permission of instructor.
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 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.

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.

THEA 3232 Stage Design Techniques 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.

Cross Listing(s): TCM 5333, CENG 3133.
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, Grotowski, Drozin, 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 3300 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 3330 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 3331 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 3332 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 3339 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 3340 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 3335 Creative Dramatics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Explores 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 3336 Theatrical Production  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
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.  
Prerequisite(s): A minimum grade of "C" in THEA 3336 or permission of Instructor.

THEA 3342 African American Theatre  
3 Credit Hours. 3 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 3344 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 3345 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 3346 Musical Theatre Voice  
2 Credit Hours. 2 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 3348 Theatre Management: Lighting Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in THEA 1100 or THEA 2300 or permission of Instructor.

THEA 3349 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
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed to guide upper-division theatre majors in refining their focus(es) 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.
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 2300 and 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 skills, and applies those skills and principles via the creation of costume renderings.
Prerequisite(s): A minimum grade of "C" in THEA 2332 and THEA 2300.

THEA 4338 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 2300 OR Permission of Instructor.

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 2332 and THEA 3200 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.
TMAE 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 2300 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 3397.

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 full length play. 
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission of Instructor.

Cross Listing(s): THEA 5530G.

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 full length play. 
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission from Instructor.

TMAE Applied Engineering

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 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): Permission of Instructor. 
Cross Listing(s): TMAE 5133G.

TMAE 5134 Lean World Class Manufacturing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A comprehensive study of Lean Manufacturing Engineering 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 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.

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 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. 
Prerequisite(s): Permission of Instructor. 
Cross Listing(s): TMAE 5131G.
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 circuits, 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 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 5134G Lean World Class Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive study of Lean Manufacturing Engineering technology and systems. Topics include key customer-focused, waferreducing 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 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 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 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.

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. 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.
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 assets best support 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.

TMAE 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 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): MENG 7891.

TMAE 7895 Special Problems in Applied 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): MENG 7895.

TMAE 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on the preparation and completion of the thesis.

TMFG Manufacturing Technology

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 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 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 Safety and Environ Compl

TSEC 5331 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 5331G.

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 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 employee's 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.

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.
Cross Listing(s): TSEC 5334G.

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 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.

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 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.

WBIT 4601 Customer Relationship Management
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The application of IT applications has allowed many organizations 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.
WGSS 2100 Introduction to Women's, Gender, and Sexuality Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Intersectional approach to introduce contemporary issues and historical, social, and theoretical contexts of women's, gender, and sexuality studies.
Prerequisite(s): ENGL 1101.

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 WGGS. May be Cross Listing(s): selected upper-level courses in the university curriculum when content of those courses addresses issues related to WGGS. 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 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.

WMBA Web MBA
WMBA 1000Z WMBA Course Receiving Section
99 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

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 Queer Rhetorics
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 1102.

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  Writing Popular Culture
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines how writers compose popular culture in a variety of media such as books, blogs, television, and other multimodal platforms and will include intertextual studies such as adaptations and video game construction. Students will investigate how popular culture shapes society and identities.

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 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.

WRIT 3140  Writing for Young Readers
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
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.

WRIT 3220  Introduction to Professional and Technical Writing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Surveys the field of P&T, its various activities, and potential career paths.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 3230  Writing in the Workplace
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
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.

WRIT 3232  Information Design
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
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.

WRIT 3233  Technical and Professional Editing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This 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.

WRIT 3234  Research Methods for Writers
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to quantitative and qualitative research methods for writers, including surveys, interviews, experiments, questionnaires, and field research.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 3310  Digital Storytelling
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
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.
WRIT 3320 Introduction to Usability and User Experience
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

WRIT 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.
Cross Listing(s): LING 3430.

WRIT 3433 Comic Books, Culture, and Composition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates multiple dimensions of and models for comics and graphic novels. Explores historical and cultural themes in comic book and graphic novel content as well as the narrative conventions and composing processes that are unique to the creation of sequential art.
Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

WRIT 3435 Writing and Healing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

WRIT 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 ENGL 1102.

WRIT 3490 Writing the Southern Experience
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

WRIT 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 or WRIT 1101 and ENGL 1102.
Cross Listing(s): LING 3520.

WRIT 3531 Introduction to Rhetoric and Composition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the field of rhetoric and composition, including contemporary and historical issues in the areas of literacy, rhetoric, cultural studies, and genre as well as composition and the teaching of writing.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4130 Creative Nonfiction Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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.

WRIT 4131 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 with a focus on K-12.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4231 Screenwriting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
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 WRIT 3130 or permission of instructor.

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 for Social Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will use multidisciplinary perspectives to study how rhetorical strategies and texts influence social change. Students will analyze and compose persuasive multimodal texts.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4570 Writing, Rhetoric, and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the interaction of writing, rhetoric, and cultural studies, focusing on the theoretical bases for analyses of power and meaning in production, texts, and reception. Course content includes anti-racist, feminist, queer, transnational, or sociocultural frameworks, as well as applied multimodal and genre theories.
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 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 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.
Prerequisite(s): A minimum grade of "C" in WRIT 3130 or WRIT 4231, or permission of instructor.
Cross Listing(s): WRIT 5231G.

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 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 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. 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 1102.
Cross Listing(s): WRIT 5340G, LING 5330G.

WRIT 5430 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 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.
Prerequisite(s): ANTH 1102 or SOCI 1101 and a minimum grade of "C" in WRIT 3130 or permission of instructor.
Cross Listing(s): WRIT 5530G, 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 5533 Teaching College Composition  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Students will learn foundational theories and pedagogies for teaching  
college-level writing, including writing assessment, teaching for transfer,  
and community-oriented pedagogies. Students will apply their learning to  
designing and evaluating college-level writing activities and assignments.  
Prerequisite(s): A minimum grade of "C" in ENGL 1102.  
Cross Listing(s): WRIT 5533G.

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 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 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 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 5570 Advanced Writing, Rhetoric, and Culture  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course further explores the interaction of writing, rhetoric, and cultural  
studies, focusing on the theoretical bases for analyses of power and  
meaning in production, texts, and reception. Course content includes anti-  
racist, feminist, queer, transnational, or sociocultural frameworks, as well  
as applied multimodal and genre theories. This advanced course also  
includes a specialized module where students will prepare for high-level  
academic research, including conference presentations and publication.  
Prerequisite(s): A minimum grade of "C" in ENGL 1102.  
Cross Listing(s): WRIT 5570G.

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 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.
Resources

- Academic Success Center (p. 524)
- Division of Continuing Education (http://catalog.georgiasouthern.edu/academics/resources/continuing-education/)
- FORAM Sustainable Aquaponics Research Center (p. 525)
- Institutional Assessment and Accreditation (p. 525)
- James H. Oliver, Jr., Institute for Coastal Plain Science (p. 525)
- Military and Veteran Affairs (p. 526)
- Office of Career and Professional Development (p. 526)
- Office of Research Services and Sponsored Programs (p. 526)
- Online Support Services (p. 527)
- Printing & Postal Services (p. 527)
- Regents Center for Learning Disorders (p. 528)
- Student Accessibility Resource Center (p. 528)
- Student Union Facilities and Event Services (p. 528)
- The University Writing Center (p. 528)
- Visual Art Exhibitions and Permanent Collections (p. 529)

Academic Success Center

The Academic Success Center (ASC) is dedicated to providing academic support for all students by fostering a 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 (https://academics.georgiasouthern.edu/success/). The Statesboro Campus office is located in Henderson Library, Suite 1303. The Armstrong Campus office is located in PAC Building 120.

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 Improvement 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. 273) for more information.

Mentor Program

The Mentor 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, 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/ (https://academics.georgiasouthern.edu/success/peer-mentor-program/).

Tutoring Services

On the Statesboro and Armstrong Campuses, the ASC offers free tutoring by appointment and walk-in for a variety of math, science and humanities courses. Online tutoring by appointment is available for all three campuses. The tutors are recommended by professors in their subject areas and are trained, supervised, and evaluated by the ASC staff. The Center has two full-time coordinators and faculty consultants from the Academic Success Center who work with tutors in the implementation of the program.

Check for tutoring schedules and other information on the website at academics.georgiasouthern.edu/success/tutoring/ (http://academics.georgiasouthern.edu/success/tutoring/).

Tutoring is also 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 Savannah (Armstrong) 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. To contact the Savannah Campus Testing Office located in the Memorial College Center Building, Room 206B, call (912) 344-2582, or email testingsav@georgiasouthern.edu. The informational web page for both Testing Offices is at academics.georgiasouthern.edu/success/testing/ (http://academics.georgiasouthern.edu/success/testing/).

Division of Continuing Education

The mission of the Division of Continuing Education is to support Georgia Southern University’s commitment to extending the learning environment beyond the classroom to the communities it serves, promoting lifelong success by delivering multi-modal, multi-site and empowering opportunities for the individual. We provide a variety of non-credit courses and programs, from personal enrichment and professional development to customized workforce training and more. Whether it’s the arts, academics or preparation for lifelong success, our courses focus on hands-on learning taught by Georgia Southern faculty and other subject matter experts. Our offerings are available online and in-person, designed to meet various cultural and generational learning needs and
provide traditional and non-traditional learners with the flexibility needed to maintain a work-life balance.

The Division also provides technologically advanced meeting, classroom, event and conference services in Statesboro, Hinesville and Savannah. Seasoned in managing educational programs that are local, regional, national and international, the Division of Continuing Education has the ability to manage the entire life cycle of a conference or special event. We have the venues and resources to suit all conferences and event types in a unique and personal setting. From inception to post-event evaluations, we work diligently to guarantee every aspect is exactly what you envision.

Our broad range of services, offered to both the regional and campus communities, include:

- **Career Training Programs**: provides online open enrollment programs designed to provide the skills necessary to acquire professional level positions for many in-demand occupations;
- **Conference Planning Services**: includes venue sourcing and contract negotiation to include audio-visual, food and beverage, CEU application coordination, financial and registration services, marketing, the arrangement and management of hotel room blocks and lodging, and customizable planning packages; includes the invitation of speakers, issuing of call for proposals, processing of honorarium payments, preparation of speaker bios, poster and presentation session management; offers recruitment of sponsors and exhibitors based on program criteria, processing for exhibitor and sponsor information, confirmation and registration, and coordination of exhibit space;
- **Continuing Education Units (CEUs) and Certificates**: includes services for the completion and submission of applications to appropriate credentialing bodies as well as the coordination of the CEU process;
- **Customized Training**: develops training programs by analyzing, designing and implementing training solutions that meet the needs of the organization or business. Training solutions can be delivered onsite or on any Georgia Southern University campus.
- **Event Management**: operates as the central entry point for meeting and event requests on the Statesboro and Armstrong campuses; coordinates events and meetings for both internal and external clients;
- **Personal Enrichment**: provides face-to-face and online lifelong learning programs and experiences that allow for the exploration and development of new interests and skills for personal growth;
- **Professional Development**: provides face-to-face and online programs in high-demand fields to improve knowledge and skills to enhance and advance career development. Programs may lead to certifications and digital badges.
- **Youth Programs**: coordinates facilities and services on the Statesboro and Savannah Campuses for both internal and external groups.

**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/

**Institutional Assessment and Accreditation**

Institutional Assessment and Accreditation supports student learning through coordination of ongoing assessment of academic programs and core courses. IAA works in collaboration with faculty to develop assignments, assessment methods, and documentation processes to effectively track and improve student learning. In addition, IAA works with administrative units to ensure a high quality student experience across all areas of the institution. IAA also compiles documentation and evidence supplied to SACSCOC to satisfy regional accreditation requirements. IAA models and encourages engagement of students, employers, alumni, faculty, and staff in these processes. Additional information is available at IAA’s website at academics.georgiasouthern.edu/vpie/index.php (https://academics.georgiasouthern.edu/vpie/).

**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)**

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 providing educational opportunities to the military population, in the Spring of 2019 Georgia Southern created the office of Military and Veterans Services. 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.

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. For more information please visit our web page at https://www.georgiasouthern.edu/military-veterans/

School Certifying Officials
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 School Certifying Officials for assistance at (912) 478-5154, (912) 478-8043 or (912) 344-2948 or email mvs@georgiasouthern.edu. The School Certifying Officials are 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.

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 exploring 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, Course Instruction, Experiential Learning, and Professional Employment. Career Advisement 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 Handshake 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 Handshake. 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 GeorgiaSouthern.edu/o cpd or call (912) 478-5197.

Office of Research Services and Sponsored Programs
The Office of Research Services and Sponsored Programs (https://research.georgiasouthern.edu/orssp/) (ORSSP) supports the Georgia Southern University faculty, staff and students in the acquisition, performance and administration of projects and programs funded from sources external outside the University through research administration.
and service; research integrity and compliance; and award management. Sponsored projects and programs include research, public service, instruction, and other scholarly activities funded by external organizations. The ORSSP provides research administration services in the areas of pre-award and non-financial post-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 financial 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 or for additional information please visit our office of Research Services and Sponsored Programs (https://research.georgiasouthern.edu/orssp/) or contact (912) 478-5465.

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/ (http://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/ (https://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/ (http://academics.georgiasouthern.edu/online/).

Printing & Postal Services

Printing and Postal Services is a University-owned and operated facility located in the Dining Commons building on the Statesboro Campus and the Annex 2 building 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 the Printing and Postal Services task list is to print course packs, class required name badges, printed projects, and any printed materials required by the campus community.

Statesboro Campus:

All student mailboxes are located in the Dining Commons building. 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/ (http://auxiliary.georgiasouthern.edu/printingandpostal/postal-services/) or the Printing and Postal Services counter in the Dining Commons building to purchase their box. After buying a P.O. Box, the student will be assigned a P.O. Box for the current year. The P.O. Box is accessed using three easy steps. First, log into my.georgiasouthern.edu (http://my.georgiasouthern.edu/) and click on WINGS. Next, click on the “Personal Information” tab, then click on “View P.O. Box combination” to view instructions on how to use your P.O. Box.

Armstrong Campus:

All residential students have mailboxes in their residence halls. Additionally, there are no P.O. Boxes available for rent by non-residential students.

On both campuses, students need to submit forwarding addresses for the following reasons:

- graduating
- withdrawing
- leaving for a semester
- completing a voluntary cancellation form

Each campus has different mail forwarding processes. Statesboro Campus students can update forwarding addresses on their WINGS account. The Armstrong Campus requires students to fill out a USPS Official Mail Forwarding Change of Address Order form. (PS FORM 3857) Printing and Postal Services at the Savannah campus will use the information to forward your mail until the USPS form is processed.

Additionally, you will need to go online and submit a USPS Change of Address Form at https://moversguide.usps.com (https://moversguide.usps.com/)

If you forward your mail, your first-class mail and periodicals will be sent to your forwarding address.

If no forwarding address is on file, mail will be returned to the 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
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/ (http://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 Student Accessibility 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 admission 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 specific documentation guidelines which can be found in the Academic and Student Affairs Handbook (https://www.usg.edu/academic_affairs_handbook/section3/C793/#appendix_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 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](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/](http://cah.georgiasouthern.edu/writing-center/) or contact the Director, Dr. Michael Pemberton, at michaelp@georgiasouthern.edu.

The University Writing Center (Armstrong Campus) is located on the first floor of Lane Library. One hour and half hour conferences are available Monday through Thursday, 9:00 a.m. - 6:00 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 Writing Center (Armstrong Campus), visit the Web site at [http://cah.georgiasouthern.edu/writing-center/](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.

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 equal opportunity to all employees, students, applicants for employment or admission, and participants in any of the University's programs without regard to race, color, sex, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. Georgia Southern University is committed to the fulfillment of this policy, which prohibits any employee, student, or patron from unlawfully harassing, threatening, or physically or verbally abusing another individual with the effect of unreasonably interfering with that person's work or academic performance or of creating an intimidating, hostile, or offensive work or academic environment. Questions regarding this policy of nondiscrimination should be directed to:

Director of Equal Opportunity & 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 Equal Opportunity & 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.

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- Academic Standing Policy (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/academic-standing/)
- Border County Fee Waiver (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/border-county-fee-waiver/)
- Continuous Enrollment Requirements (http://catalog.georgiasouthern.edu/graduate/graduate-studies/general-graduate-policies-procedures/continuous-enrollment-requirements/)
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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.

NOTICE: 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 (http://deanofstudents.georgiasouthern.edu/conduct/).

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 associates, baccalaureate, masters, specialists 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
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.

### Departments/Programs

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<tr>
<td>Art Education</td>
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<tr>
<td>Music (Undergraduate and Graduate)</td>
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<td>Theatre</td>
<td>National Association of Schools of Theatre</td>
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<th>College of Behavioral and Social Sciences</th>
<th>Accrediting Organization</th>
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<tr>
<td>Interior Design</td>
<td>Council for Interior Design Accreditation and National Association of Schools of Art &amp; Design</td>
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<tr>
<td>Clinical Psychology (Graduate)</td>
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<td>Public Administration (Graduate)</td>
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<tr>
<td>Recreation (Undergraduate)</td>
<td>Council on Accreditation of Parks, Recreation, Tourism, and Related Professions</td>
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<td>Accounting (Undergraduate and Graduate)</td>
<td>Association to Advance Collegiate Schools of Business</td>
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<tr>
<td>Parker College of Business (Undergraduate and Graduate)</td>
<td>Association to Advance Collegiate Schools of Business</td>
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<th>College of Education</th>
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<tr>
<td>School Psychology</td>
<td>National Association of School Psychologists</td>
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### 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
Departments may establish policies concerning class attendance provided syllabus and should make clear what constitutes excessive absences. Absences and whether they will allow missed work to be made up. Beyond the first class meeting, including whether they will accept excused official verified before financial aid will be disbursed. Attendance will be avoided being dropped from the course. Students who have been recorded from a class, students should speak with their academic advisors and financial aid counselors. Financial Aid Implications Withdrawing from a course may affect a student's ability to receive future financial aid and may significantly affect a student’s ability to meet the federally mandated Standards of Academic Progress. Before withdrawing from a class, students should speak with their academic advisors and financial aid counselors.

Class Attendance University policy requires students to attend the first class meeting of all classes in which they are registered. Instructors are required to report first day attendance for all students registered in their classes. Students who are verified as “Not Attending” a course will be dropped. This policy applies to all levels of courses and includes on campus, off campus, distance learning, two-way interactive video, and internet (online) classes. Students who have verifiable extenuating circumstances which prohibit them from attending the first day of classes must contact their instructor to avoid being dropped from the course. Students who have been recorded as “Not Attending” may not receive financial aid. Attendance will be officially verified before financial aid will be disbursed.

Students are expected to attend all classes. Specific policies concerning class attendance beyond the first class meeting, including excused and excessive absences, will be set by each professor.

Attendance and Student Responsibility Students are expected to attend all classes. Each instructor 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 missed work to be made up. Instructors should have clearly stated attendance policies in their course syllabus and should 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 effect of attendance on course grades is left to the discretion of instructors.

Students are responsible for knowing everything that is announced, discussed, or lectured upon in class, as well as for mastering all outside assignments. It is the student’s responsibility to verify the accuracy of his/her course schedule at all times. It is imperative that the student verify the accuracy of his/her course schedule during the attendance verification period. Students are responsible for dropping all classes that they do not plan to attend or complete. Students are also responsible for registering or adding classes for which they wish to receive credit. Drop/adds must be completed during the drop/add period which is defined on the academic calendar for each term or part of term.

For financial aid reasons, student attendance must be verified before financial aid will be disbursed. Students who have been marked as “not attending” may not receive their financial aid and may be dropped from the class roster. Students may check their attendance status via WINGS.

Authorized Activities 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 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.

Exemption for Military Obligations A student whose military obligations require his/her absence from class for more than the first day may seek an exemption from the class attendance policy. The student will need to contact the college associate dean to request an exemption from the class attendance policy. Students must also provide the associate dean(s) with a copy of their military orders. The associate dean(s) will contact the appropriate department chair(s) and course instructor(s) with the exemption request. The course instructor(s) will carefully consider the request and will base their decision upon the course attendance policies and the student’s ability to address any missed coursework upon the student’s return.

Excused Absences The University does not issue an excuse to students for class absences. In case of absence as a result of illness, representation of the University in athletic and other activities, or special situations, instructors may be informed of the reasons for absences, but these are not excuses.

Holiday Observance 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 instructor(s).
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.sacsoc.org (http://www.sacsoc.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/degeworks (http://em.georgiasouthern.edu/registrar/students/degeworks/).

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 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.

Institutional GPA is calculated using only the courses enrolled in and completed at Georgia Southern University. Transfer courses are not included in this calculation.

### Grading Systems

All institutions of the University System of Georgia (USG) shall be on a 4.0 grade point average system, calculated to and truncated at two significant digits. 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>Withdrew 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>Withdrew</td>
<td>0.0</td>
</tr>
<tr>
<td>WH</td>
<td>Withdrew Hardship</td>
<td>0.0</td>
</tr>
<tr>
<td>WM</td>
<td>Withdrew Military</td>
<td>0.0</td>
</tr>
</tbody>
</table>

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, 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](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.

**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 for undergraduate students 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.
Institutional Testing Schedule

(Dates are subject to change, please verify dates at [georgiasouthern.edu/success/testing](http://academics.georgiasouthern.edu/success/testing/))

### American College Test (ACT) - Residual/On-Campus

([georgiasouthern.edu/success/testing/act-residual](http://academics.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](https://academics.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.

### Miller Analogies Test (MAT)

([georgiasouthern.edu/success/testing/mat](http://academics.georgiasouthern.edu/success/testing/mat/))

The MAT is offered in both Savannah and Statesboro. Learn more about the MAT concerning testing dates and registration by visiting the testing website ([https://academics.georgiasouthern.edu/success/testing/%20mat/](https://academics.georgiasouthern.edu/success/testing/maturity-20mat/)).

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.

### HESI Admissions Assessment (A2) Nursing Entrance Exam

([georgiasouthern.edu/success/testing/net](http://academics.georgiasouthern.edu/success/testing/net/))

The HESI is offered in both Savannah and Statesboro by group appointments with registration information and testing dates listed on the website ([https://academics.georgiasouthern.edu/success/testing/](https://academics.georgiasouthern.edu/success/testing/)). 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.

### College Level Examination Program (CLEP)

([georgiasouthern.edu/success/testing/clep](http://academics.georgiasouthern.edu/success/testing/clep/))

Offered in both Statesboro and Savannah.

The 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/](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.

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### Other Transcript Designations

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Explanation</th>
</tr>
</thead>
<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 &quot;A&quot;, &quot;B&quot;, &quot;C&quot;, and &quot;S&quot; 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. <strong>Academic Renewal is only available to undergraduate students.</strong></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>

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1. Please see "Withdrawal Hardship (p. 540)" for further information.
2. Please see "Military Withdrawals (p. 537)" for further information.
DSST
(georgiasouthern.edu/success/testing/dsst) (http://academics.georgiasouthern.edu/success/testing/dsst)

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 (https://academics.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.

Certiport Exam
(georgiasouthern.edu/success/testing/mso) (http://academics.georgiasouthern.edu/success/testing/mso/)

Certiport Exams are offered by appointment in Statesboro Monday through Friday by calling (912) 478-5415. Exams that Georgia Southern University students are specifically interested in taking include the Microsoft Office Specialist Certification and the Microsoft Technology Associate. Review the Certiport website (https://certiport.pearsonvue.com/), to learn more about additional certification exams.

TEAS-Allied Health
(georgiasouthern.edu/success/testing/teas (https://academics.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 (https://academics.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 (https://academics.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 (https://academics.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 (https://academics.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 (https://academics.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
(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 courses 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 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 (http://cah.georgiasouthern.edu/music/).

National Testing Schedule
(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 and Savannah 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 lsac.org.

American Council for Exercise Exams (ACE)
(acefitness.org (http://acefitness.org))

These exams are offered on the computer by appointment through Scantron 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, check the 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 (https://academics.georgiasouthern.edu/success/testing/net/)) (http://https://academics.georgiasouthern.edu/success/testing/net/)

The HESI is 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))

This exam is offered on the computer during the national testing periods through Scantron.

For more information concerning testing or registration for a test, check the Office of Testing Services web page at georgiasouthern.edu/success/testing (http://academics.georgiasouthern.edu/success/testing/) or call (912) 478-5415 or email testing@georgiasouthern.edu for Statesboro or (912) 344-2582 or testingsav@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 policy 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
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/ (http://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/ (http://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/ (http://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

All requests for an official transcript for students on the Statesboro, Armstrong and Liberty campuses will be submitted via Student WINGS or by using the information listed below:

Georgia Southern University has retained Credentials, Inc. to accept electronic and paper transcript orders over the Internet.

There will be a charge for any orders placed via the website below. Electronic transcripts are $10.00 per order. Paper transcripts are $10.00 per order. Rush delivery of paper transcripts will be an additional charge above the $10.

To request your official transcript click on the link below:

Click Here (https://www.credentials-inc.com/CGI-BIN/dvctip.pgm?ALUMTR001572) to visit the Transcript Ordering Services site for pricing details and to place your order.

Click Here (https://www.credentials-inc.com/CGI-bin/rechcgi.pgm?TPORDER) to keep track of your order through Credentials Self Service portal!

If you are uncomfortable placing an order over the Internet, you are welcome to call Credentials, Inc. at 847-716-3005 to place your transcript request. There is an additional operator surcharge for placing orders over the telephone.

University Advancement

The Division of University Advancement is responsible for building and maintaining relationships with campus and external constituencies of the
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 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.
Faculty

This list includes full-time, regular and emeriti faculty for fall 2019. 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
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  M.A.S., Ryerson University, 2010
  Ph.D., Ryerson University, 2014 (2018)

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  M.A., Baylor University
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Admissions and Financial Aid

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You will find EagleXpress® is a great way to manage money needed to buy books, meals and other Georgia Southern goods and services.

EagleXpress® Packages

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, (http://eaglecard.georgiasouthern.edu/) or their my.georgiasouthern.edu (https://my.georgiasouthern.edu/) account immediately. Students are responsible for checking their account balance via Touchnet available at 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 the 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.
Eaglexpress® Dining Plans

Eagle Dining Services offers a variety of options for students, faculty, and staff to enjoy a great dining experience on Georgia Southern University's campuses.

<table>
<thead>
<tr>
<th>Plan</th>
<th>Access to Residential Dining</th>
<th>Dining Dollars per Semester</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EAGLE GOLD</strong></td>
<td>19 meals per week</td>
<td>300 D$</td>
<td>$1750</td>
</tr>
<tr>
<td><strong>EAGLE BLUE</strong></td>
<td>14 meals per week</td>
<td>100 D$</td>
<td>$1500</td>
</tr>
<tr>
<td><strong>EAGLE FIVE</strong></td>
<td>5 meals per week</td>
<td>—</td>
<td>$660</td>
</tr>
<tr>
<td><strong>EAGLE THREE</strong></td>
<td>3 meals per week</td>
<td>—</td>
<td>$395</td>
</tr>
</tbody>
</table>

Prices are per semester. *Minimum for freshmen students.

Dining plans will change for fall 2020 to allow adequate social distancing and ensure customer safety. Each student with a dining plan will have a certain amount of swipes into the residential dining facilities and Dining Dollars (D$) they can use at retail dining locations such as Starbucks, Chick-fil-A, Southern Cafe and more.

Eaglexpress® Budget Bucks

Georgia Southern students can easily manage their dining spending through flexible Budget Bucks plans. Each of plan receives a predetermined amount of Budget Bucks per week for sixteen (16) weeks throughout the semester. Every Monday, accounts are reloaded with the selected amount, good at any Eagle Dining Services location.

<table>
<thead>
<tr>
<th>Plan</th>
<th>Access to Residential Dining</th>
<th>Reload Amount</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Budget Bucks 480</strong></td>
<td>$8.75 per entry</td>
<td>$30 per week/16 weeks</td>
<td>$480</td>
</tr>
<tr>
<td><strong>Budget Bucks 960</strong></td>
<td>$8.75 per entry</td>
<td>$60 per week/16 weeks</td>
<td>$960</td>
</tr>
</tbody>
</table>

If Budget Bucks have not been used by the end of the week, the remaining balance will be credited to the following week’s balance. At the end of each semester, remaining balances are automatically credited to the following semester.

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/ (https://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 log in to My.GeorgiaSouthern.edu (https://my.georgiasouthern.edu) and click on
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
Pay 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 “Parking and Transportation.” 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 on 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.
parking@georgiasouthern.edu

Statesboro Campus
Parking and Transportation
P.O. Box 8059
Statesboro, GA 30460
Phone: (912) 478-7275

Armstrong & Liberty Campuses
Eagle Card & Parking Office
11935 Abercorn Street
Savannah, GA 31419
Phone: (912) 344-2837

Returned Check Procedure
Checks (paper or electronic) returned for any reason will be handled in accordance with the state laws of Georgia and the Board of Regents of the University System of Georgia policies. Returned items will be assessed a service fee of $30.00, or 5% of the face value of the check, whichever is greater, and a hold will be placed on the student’s record. The University
will notify the student (maker) of the returned item via certified mail detailing the payment options available.

Tuition/fee payments returned as unsuccessful are subject to administrative processes such as cancellation and/or administrative withdrawal.

After three checks (paper or electronic) have been returned, the student’s (maker’s) privilege of writing checks to the University will be suspended.

All amounts owed to the University that are not cleared when due will be subject to reasonable collection fees which could include collection agency fees, attorney fees, court costs and other charges necessary for the collection of the debt.

Technology Fee

A per semester Technology Fee is charged to all Georgia Southern University students (excluding those enrolled in Graduate Online Degree Programs). This fee is used to develop and maintain student computer systems and laboratories. A Technology Fee Advisory Board, with student representation, makes decisions regarding the use of this fee.

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 EAGLEXPRESS (https://auxiliary.georgiasouthern.edu/eaglexp). 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).

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 that are requested by the instructor. 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. 606). 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).
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. 607)
- Loan Programs (p. 607)
- Other Financial Assistance (p. 609)
- Qualifying for Financial Aid (p. 609)
- Refunds for a Student Receiving Federal Title IV Financial Assistance (p. 610)

**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.Gacollege411.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 5712.
- 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 2020/2021 is $6345 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 master promissory note. For additional information visit our website at http://em.georgiasouthern.edu/finaid/. (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/. (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://studentaid.gov (https://studentloans.gov/myDirectLoan/index.action). 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 cooperative education and internship 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 an Experiences application in Handshake, signing a Code of Conduct and a 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. Because these hours are free and non-tuition-bearing, they are not able to be used toward Financial Aid requirements. 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 completion grade awarded to the student.

For more information about the Co-op and Internship Program, please refer to the Student Co-op & Internship Program page (students.georgiasouthern.edu/career/students/internships-co-ops/ (https://students.georgiasouthern.edu/career/students/internships-co-ops/)), visit the Office of Career and Professional Development, or call (912) 478-5197.

School Certifying Officials

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 School Certifying Officials located in Military Resource Center (MRC) for assistance at (912) 478-5154, (912) 478-8043, (912) 344-2948 or email MVS@georgiasouthern.edu (mvs@georgiasouthern.edu). The School Certifying Official 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.

For more information please visit our web page at https://www.georgiasouthern.edu/military-veterans/. (http://em.georgiasouthern.edu/registrar/students/veteranaffairs/)

Vocational Rehabilitation

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 ($1,274.00 plus grant of $782.00 times 77.7% unearned aid); all of this will be returned to the Subsidized Federal Direct Stafford Loan in accordance with the terms of the loan. The remaining $941.51 ($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 $618.00 (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

¹ Please click the link Withdrawal and Return of Title IV Financial Aid Funds Policy (https://drive.google.com/file/d/1wYEnM8-1Jtq_QXUN7/PXoiFA6tXxncGP/view) to view information regarding Tuition and Fee Refunds.
Tuition

- Bursar's Office - Student Account (p. 611)
- Drug Policy - Anti-Drug Abuse Act of 1988 (p. 611)
- In-State Tuition (p. 611)
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- Tuition Classification (p. 614)

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 (http://businesssrvs.georgiasouthern.edu/bursar/)
Phone number: 912-478-0999

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 668.14 (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. Effective Fall 2020 undergraduate students will pay their standard tuition rate for all classes they take. Exceptions include the unique tuition rates for eCore, eMajor and WebBSIT. An additional exception will be for out of state undergraduate students taking all campus 40 courses, in that case they will pay their in-state equivalent tuition for that semester.

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 (https://finserv.georgiasouthern.edu/bursar/office-of-student-accounts/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. Effective Fall 2020 undergraduate students will pay their standard tuition rate for all classes they take. Exceptions include the unique tuition rates for eCore, eMajor and WebBSIT. An additional exception will be for out of state undergraduate students taking all campus 40 courses, in that case they will pay their in-state equivalent tuition for that semester.

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 (https://finserv.georgiasouthern.edu/bursar/office-of-student-accounts/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 assistance under the programs authorized by Title IV of the Higher Education Act are making satisfactory academic progress.
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/ (http://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/ (https://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.

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 Post Baccalaureate 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

**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 Post Baccalaureate 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:**
  - Students are 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 both of the following requirements: GPA and/or PACE. 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 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) attempting the maximum number of credit hours allowed for the student's degree program, (2) being on Financial Aid Warning status (for GPA and/or PACE) for one term and failing to meet the required SAP standards, or (3) 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:**
  - All credit hours attempted during each term in which a student is enrolled 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:**
  - 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, or S are included in determination of GPA for purposes of SAP. Grades of I, IP, K, NR, S, U, V, W, WF, W%, 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 time-frame, 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. For undergraduate students, the improvement plan must be created with, and approved by, the Academic Success Center. Graduate students should contact the College of Graduate Studies for this documentation.

• 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/. 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 driver’s 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. You may obtain a certified copy through the Health Department in the county in which the student was born.
- 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 https://www.usg.edu/student_affairs/prospective_students/verification_of_lawful_presence (https://www.usg.edu/student_affairs/prospective_students/verification_of_lawful_presence/)

**Petition for Classification of Students for Tuition Purposes**

NEW undergraduate students must submit their petitions to the Office of Undergraduate Admissions: (https://admissions.georgiasouthern.edu/already-applied/residency/).

NEW graduate students must submit their petitions to the College of Graduate Studies–Office of Graduate Admissions: (gradadmissions@georgiasouthern.edu). CURRENTLY ENROLLED (students who have completed one or more semesters at Georgia Southern) undergraduate and graduate students must submit their petitions to the Office of the Registrar: (tcwpetitions@georgiasouthern.edu).

- **Petition For In-State Tuition**

You must demonstrate that you, your parent, your spouse, or your U.S. court-appointed guardian (if you are a minor) is a legal resident of Georgia for tuition purposes. You may establish this claim by providing documentation to support the definition established by the Board of Regents. Please note that establishing residency for tuition purposes as defined by the Board of Regents is different from establishing residency with regards to voting, having a Georgia driver’s license or vehicle tag, etc., and it requires more than establishing eligibility to vote, securing a Georgia driver’s license, and/or paying taxes.
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** ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)) Students selected to participate in a program offered through the Academic Common Market ([https://www.usg.edu/divisions/academic_common_market/](https://www.usg.edu/divisions/academic_common_market/)).

2. **Border County Waiver** ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)) 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.

3. **Border State Waiver (Undergraduate Students Only)** ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)) Undergraduate student residents of Alabama, Florida, North Carolina, South Carolina, Tennessee.

4. **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.

5. **Economic Advantage Waiver**. 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.
   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.

6. Full-Time Public School and Technical College System of Georgia Employees and Their Spouses and Dependent Children Waiver.
For full-time employees in the public schools of Georgia or of the Technical College System of Georgia, their spouses, and their dependent children.

7. Full-Time University System of Georgia Employees and Their Spouses and Dependent Children Waiver (https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/). For full-time employees of the University System, their spouses, and their dependent children.

8. Non-resident Student Waiver. 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.

9. Presidential Waiver. (https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/) 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/ (https://admissions.georgiasouthern.edu/scholarships/). International students may apply on the International Admissions page at the following address: admissions.georgiasouthern.edu/requirements/international (https://admissions.georgiasouthern.edu/requirements/international/). Student athletes should speak with their recruiting coach.

10. Senior Citizen Waiver. See Special Admission for Students Age 62 and Older in the Tuition Classification section of the catalog.

11. Teachers Employed Full-Time on Military Bases Waiver

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.

Military Out-Of-State Tuition Waivers

1. Active Duty Military Personnel and their Spouses and Dependent Children Waiver (https://em.georgiasouthern.edu/registrar/students/petitionforinstatetuitionfeewaivers/). Active duty military personnel, their spouses, and their dependent children who meet one of the following criteria: The military sponsor is currently stationed in or assigned to Georgia;

   a. 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;

   b. The military sponsor 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 stationed in a state contiguous to the Georgia border and resides in Georgia;

   d. Dependent children of a military sponsor previously stationed in or assigned to Georgia within the previous five years;

   e. Dependent children of a military sponsor if the child completed at least one year of high school in Georgia; or,

   f. 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.

2. Georgia National Guard and U.S. Reservists and Their Spouses and Dependent Children Waiver (https://em.georgiasouthern.edu/registrar/students/petitionforinstatetuitionfeewaivers/). 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.

3. Recently separated Military Personnel Waiver. For members of the uniformed military service of the United States who, within 3 years/36 months of separation from such service or within 10 years/120 months of separation of utilizing VA Educational benefits, 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.
Military Waivers of Mandatory Fees

Waivers of Mandatory Fees for U.S. Military Reserve and Georgia National Guard Combat Veterans, Active Duty U.S. Military Students and Reserve Component Military Students

1. Active Duty U.S. Military Students Mandatory and Special Institutional Fee Waiver ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)): Individuals who are currently serving full-time on active duty in a branch of the armed forces of the United States are eligible to request an exemption of Mandatory Fees at Georgia Southern University. If the military student is utilizing Federal Tuition Assistance (TA) or paying their own way they can be approved to receive the waiver. The active-duty military member will be awarded the waivers for three consecutive terms (one academic year). Once the waiver expires, eligible active duty members must re-submit the petition and supporting documentation to receive the waiver for the next three consecutive terms (one academic year).

2. U.S. Military Reserve and Georgia National Guard Combat Veterans Mandatory Fee Waiver ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)): Eligible participants must be Georgia residents who are active members of the U.S. Military Reserves 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 cumulative period or periods of 90 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.

3. Reserve Component Military Students Mandatory Fee Waiver ([https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/](https://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/)): Individuals who are currently actively serving in a branch of the armed forces Reserve or National Guard are eligible to request an exemption of Mandatory Fees at Georgia Southern University. If the military student is utilizing Federal Tuition Assistance (TA) or paying their own way they can be approved to receive the waiver. The Reserve or National Guard military member will be awarded the waivers for three consecutive terms (one academic year). Once the waiver expires, eligible service members must re-submit the petition and supporting documentation to receive the waiver for the next three consecutive terms (one academic year).

4. Additionally, eligible participants must meet the admissions requirements of the applicable USG institution and be accepted for admission.

5. 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.
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 26,000-plus students interested in exercising, maintaining their health, enjoying the outdoors, making new friends, building knowledge and sharing ideas.

- Situated on the Atlantic coast in beautiful Savannah, the Armstrong Campus of Georgia Southern University is located just minutes away from the National Historic Landmark District downtown and a short drive from the sunny beaches of Tybee Island. The 268-acre arboretum campus is home to more than 6,500 students and offers an abundance of resources to help students succeed.
- Located just an hour from historic Savannah, Georgia Southern’s 900-plus acre Statesboro Campus is nestled in the classic Main Street town of Statesboro, Georgia. It boasts a lively and picturesque downtown, where visitors enjoy boutique shops, restaurants, a seasonal farmer’s market and diverse cultural activities. Statesboro and Bulloch County continue to grow along with the University, and are now home to more than 72,000 residents.
- Located in Hinesville, the Liberty Campus houses a new, state-of-the-art facility offering a variety of opportunities for local students, especially those affiliated with the military, to take advantage of a nationally recognized university in their own backyard.

Students don’t have to travel far to find things to do. Our campus offers excellent housing, dining, transportation, recreation and health and safety services to a diverse student body from all 50 states and 102 countries. From the picturesque lawn of Sweetheart Circle in Statesboro to the botanic beauty of the Armstrong Campus to the dynamic and modern facility in Hinesville, Georgia Southern University remains one of the nation’s premier places to live, work, study and grow.

- Campus Recreation and Intramurals (p. 619)
- Counseling Center (p. 621)
- Dining Plans (p. 622)
- Enrollment Management (p. 623)
- Health Services (p. 624)
- Home (http://catalog.georgiasouthern.edu/)
- Leadership & Community Engagement (p. 625)
- Minority Advisement Program (p. 626)
- Office of Multicultural Affairs (p. 627)
- Office of Student Conduct (p. 628)
- Southern's Orientation, Advisement, and Registration (SOAR) (p. 629)
- Student Affairs (p. 630)
- Student Media (p. 631)
- Student Organizations (p. 632)
- Tech Corner (p. 633)
- The University Store (p. 634)
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- University Programming Board (p. 636)
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. 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, and Shooting Sports Education, we strive to promote and develop healthy lifestyle choices that will contribute positively to the overall well-being of the students, faculty and staff at Georgia Southern.

Statesboro Campus

M.C. Anderson Recreational Park
2867 Bunny Akins Boulevard, Statesboro, GA 30458
(912) 478-5436

Recreation Activity Center (RAC):
- Free Weight, Machine Weight, Cardio, Group Exercise, Mind/Body and Spinning rooms
- Wellness Center including a fitness assessment lab
- 8 Multi-use 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
- Bandshell
- 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
(912) 478-4653

- 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
(912) 478-7732

- 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
11395 Abercorn Street, Savannah, GA 31419
(912) 344-3136

- 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

CRI encompasses multiple recreational areas in two campus locations: Aquatics (located in Statesboro), Club Sports, Fitness (including Group Fitness), Informal Recreation, Intramural Sports, Southern Adventures, Golf (located in Statesboro) and Shooting Sports Education (located in Statesboro).

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 Sports website (recreation.georgiasouthern.edu/club-sports).

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.

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.

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.

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/).
Counseling Center

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 (912) 478-5541 (Statesboro) or (912) 344-2529 (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 Dollar$ / Five (5) Guest Passes</td>
<td>$1725.00/semester$^1$</td>
</tr>
<tr>
<td>Eagle Gold</td>
<td>7-day all access to the Dining Commons, Lakeside DC or The Galley / 300 Dining Dollars / Eight (8) Guest Passes</td>
<td>$1875.00/semester$^1$</td>
</tr>
</tbody>
</table>

$^1$ Dining Dollars and Guest Passes expire at the end of the semester. The Rates quoted above are for Fall 2020 - Spring 2021. Please visit the Eagle Dining Services website for current Dining Plan pricing: auxiliary.georgiasouthern.edu/eagledining/ (https://auxiliary.georgiasouthern.edu/eagledining/).

**Freshmen living on campus are required to have an Eagle Blue or Gold 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.
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. Departments in the division include: Undergraduate Admissions, Financial Aid, the Registrar, International Student Admissions and Programs, Enrollment Services, Military and Veteran Services, and Institutional Research. These departments 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, and travel medicine. 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 8:00a.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, 9:00a.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 pay 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 Health Center to receive services. Refer to our website for a list of services that are covered by the semester health fee. 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 (http://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 (http://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

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, on the Armstrong Campus in the Memorial College Center Room 207, or call us at (912) 478-1435. 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-recognized, 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 that engages students 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 alongside faculty as peer educators 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 while focusing on social issues.

- **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. Students can register for these courses through WINGS.
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.
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 include 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 offices located on the 2nd floor of the Russell Union Room 2070 on the Statesboro Campus and the 2nd floor of the Memorial College Center Rooms 211 and 212 on the Armstrong Campus. 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 new 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. Meetings with academic advisors are held with time for class schedule review. 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/SOAR (https://admissions.georgiasouthern.edu/orientation/).

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/ (http://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.

Student Media engages students on all campuses through:

- The George-Anne Statesboro edition and the Inkwell Armstrong edition are distributed 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 Recreational Activities Center, including live feeds via social media.
- The Reflector feature magazine once per semester.
- The Our House Guide is published for students every Fall.
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 (https://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 University 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 | Student Union-Suite D234.

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 (http://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 (http://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/ (https://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/ (http://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
Student Union-Suite D234
upba@georgiasouthern.edu

University Programming Board
Tech Corner

Your technology destination. Stocked with computers, accessories, games and electronics, Tech Corner has the latest and greatest technology for life on and off-campus. Whether you’re studying or working, entertaining or making a statement, you can find what you need at the prices you want at Tech Corner!

With Tech Corner, the latest in technology and electronics is right around the corner. If you don’t see what you’re looking for, let us know; we are able to special order merchandise from all of our distributors. Visit our store on the Statesboro Campus, or shop online for the best selection of laptops and tablets, headphones and speakers, gaming systems, mobile & tablet accessories, and more! Order online by visiting GSTechCorner.com (https://www.gstechcorner.com/) and pick up in-store. (http://www.gstechcorner.com/)

Technology You Need Competitive Pricing
With students in mind, we strive to keep prices low on our products. All of our merchandise is priced with an education discount.

Reliable Support & Service
Our in-house computer service center is factory authorized to assist with maintenance and repair. We also offer protection plans on all of our merchandise. The Tech Corner is an Apple Authorized repair and service center, capable of filing AppleCare warranty claims.

Contact Tech Corner:
(912) 478-7744
techcorner@georgiasouthern.edu
The University Store

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 and Armstrong campuses. 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.

Textbooks | Textbook Rentals | Ebooks

University Store offers all required textbooks for the all Georgia Southern 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 that are requested by the instructor. 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!

During Buyback at the end of each semester, University Store will buy your new or used textbook as needed if it will be used by faculty in the upcoming semesters.

Supplies

University Store sells basic school supplies like bookbags, binders, pens and pencils, scantrons, etc. as well as class and major-specific supplies and items such as lab coats and glasses, sketch paper and portfolio holders. Your financial aid bookstore credit may be used to purchase any of the supply items that are sold at the store during the beginning of each term.

Apparel and Merchandise

Offering the best and largest selection of men’s, women’s and children’s official Georgia Southern University gear and apparel, you’re sure to find something for every Eagle fan at the University Store! Shop the latest styles in store or online at GSUstore.com. You can even make a wishlist of your favorite items on the website to share with your friends and family. Make sure to sign up for our U-Count rewards program, and you’ll earn reward points every time you shop!
University Housing

University Housing at Georgia Southern University operates eleven housing units providing a living-learning environment for approximately 6,000 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 150 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

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 offer 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 and Armstrong Campuses. 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 may 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 Programming Board

University Programming Board is Georgia Southern University's student-led programming board that consists of Executive Officers and over 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 concerts 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 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 (http://students.georgiasouthern.edu/student-activities/).
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