

# Secondary Education B.S.Ed. (Emphasis in 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.

	Credit Hours
<b>General Requirements (Core Areas A - E)</b>	<b>42</b>
<b>Specific Requirements (Area A2-Quantitative Skills)</b>	
MATH 1441 Calculus I (Recommended)	
<b>Additional Requirements</b>	<b>4</b>
<b>Area F - Courses Appropriate to Major</b>	<b>18</b>
Pre-Professional Block	
EDUC 2090 PPB Practicum	
EDUC 2110 Investigating Critical and Contemporary Issues in Education	
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts	
Other Courses to Teaching Field	
CHEM 1211K Principles of Chemistry I	
CHEM 1212K Principles of Chemistry II	
MATH 2242 Calculus II	
If Other Courses to Teaching Field have been taken in Area D, Select one CHEM or MATH (1000-2000 level course)	
<b>Specific Requirements</b>	<b>7</b>
ASTR 1010 Astronomy of the Solar System	
ASTR 1020 Stellar and Galactic Astronomy	
ASTR 1211 Astronomy Lab	
<b>Professional Education</b>	<b>37</b>
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	
<b>Major Requirements</b>		<b>17</b>
ASTR 3790 or PHYS 3790	Teaching Internship in Astronomy or 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	
Select 6 credit hours from the following electives:		
ASTR 3137	The Search for Life in the Universe	
ASTR 4130	Astrophysics	
ASTR 4138	Galactic Astronomy	
ASTR 4330	Observational Techniques in Astronomy	
CHEM 2100	Analytical Chemistry	
CHEM 3501	Chemical Kinetics and Thermodynamics	
CHEM 3502	Introduction to Quantum Chemistry	
PHYS 3130	Sound Waves and Acoustics	
PHYS 3131	Optics	
PHYS 3558	Introduction to General Relativity	
<b>Total Credit Hours</b>		<b>125</b>

## 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 Honors College;
- 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 Honors College 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 (<http://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/advisement/>) catalog page.