Secondary Education B.S.Ed. (Emphasis Physics - Certification Track)

Certification Track

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Physics Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Physics Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

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

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major

Pre-Professional Block

EDUC 2090 0
EDUC 2110 3
EDUC 2120 3

Other Courses to Teaching Field 12

CHEM 1211K Principles of Chemistry I
CHEM 1212K Principles of Chemistry II
MATH 2242 Calculus II

Specific Requirements 7

ASTR 1010 Astronomy of the Solar System
ASTR 1020 Stellar and Galactic Astronomy
ASTR 1211 Astronomy Lab

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</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>
<td>3</td>
</tr>
<tr>
<td>ASTR 4138</td>
<td>Galactic Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 4330</td>
<td>Observational Techniques in Astronomy</td>
<td>3</td>
</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 3558</td>
<td>Introduction to General Relativity</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 125

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements.

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete all field experiences identified at each program transition point.
- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

- be admitted to the University Honors program;
- successfully complete at least four credit hours of 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.