Bachelor of Science in Education; Leads to dual field science licensure in grades 7-12 in the two areas completed. This degree program is designed to be completed in 4 years. Changing majors, academic issues or other unforeseen circumstances may require additional semesters for completion.

<table>
<thead>
<tr>
<th>CONTENT FOR TEACHING SPECIALTY</th>
<th>60-63 HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1040 Introduction to Biology ## or BIOL 2050 Concepts in Biology II ## **</td>
<td>4-5</td>
</tr>
<tr>
<td>GEOL 1010 Earth Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1250 or 1350 General Chemistry ##</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 2010 College Physics I ## or PHYS 2110 University Physics I ##</td>
<td>5</td>
</tr>
<tr>
<td>ASTR 2010 Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1150 Introduction to Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition to the 23-24 hours above, TWO dual fields must be completed. See reverse side for additional coursework.

**Life Sciences Dual Field students must take Biology 2050.

Select ONE

- Earth Sciences and Chemistry
- Earth Sciences and Physics
- Life Sciences and Chemistry
- Life Sciences and Earth Sciences
- Life Sciences and Physics
- Physical Sciences—Chemistry and Physics

PROFESSIONAL EDUCATION 52 HRS

- EDTL 2010 Introduction to Education @ 2
- EDTL 2300 Introduction to Educ. Technology @ 2
- EDIS 2310 Teaching Students w/Exceptionalities @ 3
- EDTL 2750 Introd. to the Tchg. of Science @ 3
- EDFI 3030 Educational Psychology Applied to Adolescent Development @ 3
- EDFI 4020 Assessment and Evaluation @ 3
- EDFI 4080 Education in a Pluralistic Society @, ## 3
- EDFI 4970 Student Teaching 12
- ETLT 3750 Science Methods @ 3
- EDTL 4070 Practicum in Secondary Schl. Settings @ 3
- EDTL 4180 Practicum 3
- EDTL 4200 Content Reading @ 3
- EDTL 4400 Teaching Adolescents @, $ 3
- EDTL 4490 Organization and Administration @ 3
- GSW 1120 @ (_______)
- GSW 1100/1110 Quantitative Literacy (Group C Recommended)
- Elective Natural Science
- Elective
- Elective Social and Behavioral Sciences
- Elective
- Elective Humanities and Arts
- Elective
- Elective Cultural Diversity in the United States
- Elective

Degree Audit Report (DAR) is available on MyBGSU.
This is an unofficial record of a student’s progress.
## Dual Field Areas - Select Two Areas

### LIFE SCIENCES 19 HRS
- BIOL 2040 Concepts in Biology I 5
- BIOL 3430 Botany or BIOL 4220 Plant Ecology 4
- BIOL 3500 Genetics 4
- BIOL 3540 Populations and Community Ecology 3
- BIOL 4500 Teaching Evolution & Nature of Science

### EARTH SCIENCES 20 HRS
- ASTR 2120 The Solar System 3
- GEOG 1250 Weather/Climate 3
- GEOG 1050 Life Through Time 4
- GEOL 3060 Rocks and Minerals 4
- SEES 3000 Geospatial Science 3
- ENVS 4150 Investigating the Earth 3

### CHEMISTRY 19 HRS
- CHEM 1270 & 1280 General Chemistry & Lab or
- CHEM 1370 & 1380 General Chemistry & Lab 5
- CHEM 3060 Organic Chemistry 4
- CHEM 3080 & 3090 Basic Biochemistry 4
- CHEM 3130 Special Topics in Chemistry 3
- CHEM 2010 Quantitative Chemical Analysis 3

### PHYSICS 18 HRS
- ASTR 2120 The Solar System 3
- MATS 4010 Material Science 3
- PHYS 2020 College Physics II or
- PHYS 2120 University Physics II 5
- PHYS 3010 & 3110 Modern Physics & Lab 4
- PHYS 3600 Environmental Physics OR PHYS 3500 Musical Acoustics 3

## THREE IMPORTANT CHECKLISTS

### I. Application for methods and student teaching
- Application for methods and student teaching is made at a sign-up meeting held the FIRST Thursday of each semester for students planning to student teach the following semester. Information is available in Room 101 Education Building.

### II. SECONDARY METHODS ADMISSION REQUIREMENTS
- Attainment of 60 semester hours
- "C" or better in EDHD 2010
- "C" or better in EDTL 2300
- "C" or better in GSW 1120
- "C" or better in COMM 1020
- "C" or better in EDIS 2310
- "C" or better in EDTL 3400
- Accumulative GPA of at least 2.8
- Content Specialty GPA of at least 2.8
- Completed 80% of content course requirements.
- Transfer students must complete 15 semester hours at BGSU.
- Evidence of passing score(s) on OAE content licensure exam(s) by July 1 preceding methods.

### III. PREREQUISITES FOR STUDENT TEACHING
- Completion of 90 semester hours
- Accumulative GPA of at least 2.8
- Content Specialty GPA of at least 2.8
- Completion of the following courses with a grade of "C" or better:
  - EDFI 4020
  - EDTL 4180
  - EDTL 4200
  - EDTL 4750
  - EDTL 4670
- No incompletes in courses that are prerequisites for student teaching
- Successful completion of field and clinical experiences or recommendations from field and clinical supervisors

### REMINDERS:
1. Check prerequisites before registering for classes. For example, EDTL 3400 has an extensive list, including an overall G.P.A. of at least 2.8 and completion of EDTL 2750, EDFI 3030, etc. Be sure you have met all prereqs!
2. PSYC 1010 is a prerequisite to EDFI 3030, a required education course, and can be used as a Social Science elective in BG Perspective; EDFI 4080 is a required education course and can also be used as a Cultural Diversity elective in BG Perspective.
3. Meet with your advisor at least once each year. Names of advisors can be obtained via MyBGSU web page, click on “My Advisor.” If you have trouble connecting with your advisor, contact Student & Academic Services or the Program Coordinator.
(4) SENIOR YEAR: You must apply for graduation on-line prior to the term deadline; complete an application for licensure during your student teaching semester—you will receive instructions during a required meeting that precedes student teaching.

(5) Complete at least 30 hours of coursework at BGSU.

(6) Note: For transfer students and degree-holding guests seeking licensure, all applicable course grades and GPA reflected on the degree audit will be calculated for methods and student teaching eligibility and to meet program requirements.