ADOLESCENCE to YOUNG ADULT (Secondary) EDUCATION MAJOR

SINGLE FIELD SCIENCE

Bachelor of Science in Education; Leads to grades 7-12 licensure. This degree program is designed to be completed in 8-9 semesters. Changing majors, academic issues or other unforeseen circumstances may require additional semesters for completion.

**BG PERSPECTIVE (BGP) REQUIREMENTS:**

Course | Credits
--- | ---
Must complete at least 1 course in each of the following:

  - English Composition and Oral Communication
  - Quantitative Literacy

Must complete at least 2 courses in each of the following:

  - Humanities and the Arts
  - Natural Sciences
  - Social and Behavioral Sciences

Complete total required BGP credit hours by selecting courses from any of the above categories:

  - English Composition and Oral Communication
  - Quantitative Literacy
  - Humanities and the Arts
  - Natural Sciences
  - Social and Behavioral Sciences

**UNIVERSITY REQUIREMENTS**

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

  - Cultural Diversity in the U.S.
  - International Perspective
  - Composition Requirement:

G 1120 Academic Writing

Total BGP Credits: Must be at least 36

**CONTENT FOR TEACHING SPECIALTY**

53-58 HRS

---

**PROFESSIONAL EDUCATION**

33 HRS

(Take blocked courses concurrently. **C** or higher required in all Professional Ed courses.)

**Year I: What does it mean to be a teacher?**

---

EDTL 2010 Introduction to Education: 3

EDTL 2300 Intro to Educational Technology: 2

**Take one block each semester.**

---

EDTL 2750 Intro to Teaching Science: 3

(H prerequisite for EDTL 3400)

HDFS 1930Q or PSYC 1010 (prerequisite for EDFI 3030): 3-4

**Year II: Who are my students?**

---

EDTL 2020 Teaching Adolescents: 3

EDFI 3030 Educational Psychology: 3

EDIS 2310 Teaching Students w/Exceptionalities: 3

**Take one block each semester.**

---

EDFI 2980 Schools, Society, Cultural Diversity: 3

EDFI 2990 Field Exp in Cultural & Community Contexts: 1

**Year III: How do I teach so all students can learn?**

---

EDTL 3400 Instruction & Differentiation Mid/HS: 3

EDTL 3021 Digital Tech for Middle/HS Teachers: 3

**Take one block each semester.**

---

EDAS 4090 Organization & Admin of Schools: 3

**METHODS BLOCK (FALL ONLY)**

12 HRS

(See eligibility criteria pg 3.)

---

EDTL 4020 Assessment & Evaluation: 3

EDTL 4181 Practicum in Secondary Settings: 3

EDTL 4200 Content Literacy: 3

EDTL 4750 Science Methods: 3

**Year IV - The Professional Year:**

"Who am I as a teacher?"

---

EDTL 4850 Advanced Seminar in the Teaching of Science: 3

EDTL 4970 Student Teaching Internship: 12

**STUDENT TEACHING**

(See eligibility criteria pg 3.)

---

EDTL 4850 Advanced Seminar in the Teaching of Science: 3

EDTL 4970 Student Teaching Internship: 12

In addition to the 23 hours above, ONE single field must be completed. See reverse side for additional coursework.

**Life Sciences Single Field students must take Biology 2050.**
<table>
<thead>
<tr>
<th>LIFE SCIENCE</th>
<th>31 HRS</th>
<th>EARTH SCIENCE</th>
<th>30 HRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2040 Concepts in Biology I</td>
<td>4</td>
<td>ASTR 2120 The Solar System</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3130 Microbiology or BIOL 4200 Animal Behavior</td>
<td>4</td>
<td>ENVS 4150 Investigating the Earth</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3310 Human Anatomy and Physiology I or BIOL 3320 Human Anatomy and Physiology II</td>
<td>4</td>
<td>GEOL 1050 Life Through Time</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3430 General Botany or BIOL 4220 Plant Ecology</td>
<td>4</td>
<td>GEOL 1060 Climate Change</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3540 Populations and Community Ecology</td>
<td>3</td>
<td>GEOL 3060 Rocks and Minerals</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4500 Teaching Evolution &amp; Nature of Science</td>
<td>3</td>
<td>GEOL 4930 Field Experience</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 1270 &amp; 1280 General Chemistry &amp; Lab or CHEM 1370 &amp; 1380 General Chemistry &amp; Lab</td>
<td>5</td>
<td>SEES 3000 Geospatial Science</td>
<td>3</td>
</tr>
<tr>
<td>PHYSICAL SCIENCES: CHEMISTRY</td>
<td>32 HRS</td>
<td>PHYSICAL SCIENCES: PHYSICS</td>
<td>30 HRS</td>
</tr>
<tr>
<td>CHEM 1270 &amp; 1280 General Chemistry &amp; Lab or CHEM 1370 &amp; 1380 General Chemistry &amp; Lab</td>
<td>5</td>
<td>ASTR 2120 The Solar System</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2010 Lab Techniques</td>
<td>3</td>
<td>MATS 2320 Calculus &amp; Analytical Geometry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 3060 Organic Chemistry</td>
<td>4</td>
<td>MATS 4010 Survey of Material Science I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3080 &amp; 3090 Basic Biochemistry</td>
<td>4</td>
<td>PHYS 2020 College Physics II or PHYS 2120 University Physics II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 3130 Special Topics in Chemistry</td>
<td>3</td>
<td>PHYS 3010 &amp; 3110 Modern Physics &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3520 Physical Chemistry</td>
<td>3</td>
<td>PHYS 3020 &amp; 3120 Thermal Physics and Optics &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2320 Calculus &amp; Analytical Geometry</td>
<td>5</td>
<td>PHYS 3500 Musical Acoustics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2020 College Physics II or PHYS 2120 University Physics II</td>
<td>5</td>
<td>PHYS 3600 Environmental Physics</td>
<td>3</td>
</tr>
</tbody>
</table>
IMPORTANT REMINDERS!

(1) This is a competitive program. Your GPA is critical! Meet with your advisor at least once per semester to ensure you are on track. If you have trouble connecting with your advisor, contact either the Office of Student & Academic Services, 102 Education, or the Program Coordinator.

(2) Read course descriptions on the BG homepage under “Academics.” These tell you which courses are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.

Freshman & Sophomore Years:

a. Prioritize coursework & studying.

b. Complete 1000 & 2000-level classes, along with major content courses. These are prerequisites for other courses you’ll need.

c. Ed Psych is a prereq for program admission, EDTL 3400, and several upper level classes.

You are a pre-major in AYA education until you meet criteria for Program Admission:

- 3.0 cumulative GPA
- Completion of GSW 1120, Year 1 block courses, EDTL 2020, EDFI 3030, & EDIS 2310 with a “C” or better.
- Writing sample
- Dispositions check
- Possible interview

You may apply again later if not admitted.

Junior Year: You will need a 3.0 cumulative GPA and 2.8 concentration-area GPAs to enroll in EDTL 3400.

a. You must also have taken all course prerequisites and completed them with a grade of “C” or better.

Senior Year: Both Methods and Student Teaching require 3.0 cumulative and 2.8 concentration-area GPAs. See eligibility requirements at left.

Transfer students must complete 15 semester hours at BGSU prior to program admission.