ADOLESCENCE to YOUNG ADULT (Secondary) EDUCATION MAJOR
SINGLE FIELD SCIENCE SPECIALIZATION

Bachelor of Science in Education; Leads to grades 7-12 licensure. This degree program is designed to be completed in 4 years but is subject to change due to many variables that may cause a delay towards degree completion/graduation.

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 - at least one Lab Science required

Social and Behavioral Sciences

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

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:

WRIT 1120 Research Writing

Total BGP Credits: Must be at least 36

CONTENT FOR TEACHING SPECIALTY 53-58 HRS

--- BIOL 1040 Introduction to Biology or BIOL 2050 Concepts in Biology II ** 4
--- CHEM 1230 & 1240 or 1350 General Chem 5
--- PHYS 2010 College Physics I or PHYS 2110 University Physics I 5
--- ASTR 2010 Modern Astronomy 3
--- MATH 1150 Introduction to Statistics 3
--- GEOI 1010 Earth Science 3
--- HDFS 1930 or PSYC 1010 3
--- WRIT 1120 Research Writing 3

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.

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?
Take one group of courses each semester.

EDTL 2010 Introduction to Education 3
EDTL 2300 Introduction to Educational Technology 2
EDTL 2750 Intro to Teaching Science 3
HDFS 1930 or PSYC 1010 (prereq for EDFI 3020) 3 - 4

Year II: Who are my students?
Take one group of courses each semester.

EDTL 2020 Teaching Adolescents 3
EDFI 3020 Educational Psychology 3
EDIS 2310 Teaching Students w/Exceptionalities 3
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?
Methods Block 1, Spring only*

EDTL 3400 Instruction & Differentiation Mid/HS 3
EDTL 3021 Digital Tech for Middle/HS Teachers 3
EDTL 4200 Disciplinary Literacy 3
EDTL 4750 Science Methods 3
EDL 4090 Organization & Admin of Schools 3

Year IV - The Professional Year: Who am I as a teacher?
Methods Block 2, Fall only*

EDTL 4181 Practicum in Secondary School Settings 3
EDFI 4020 Assessment & Evaluation 3
EDTL 4790 Science Methods 3
EDFI 4020 Assessment & Evaluation 3
EDFI 4090 Organization & Admin of Schools 3

STUDENT TEACHING*

EDTL 4850 Adv Sem in Classroom Instr & Mgmt: Science 3
EDTL 4970 Student Teaching Internship 12

* See eligibility criteria on p.2 for each block
<table>
<thead>
<tr>
<th>LIFE SCIENCE</th>
<th>31 HRS</th>
<th>EARTH SCIENCE</th>
<th>30 HRS</th>
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<tbody>
<tr>
<td>BIOL 2040 Concepts in Biology I</td>
<td>4</td>
<td>ASTR 2120 The Solar System</td>
<td>3</td>
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<tr>
<td>BIOL 3130 Microbiology or BIOL 4200 Animal Behavior</td>
<td>4</td>
<td>ENVS 4150 Investigating the Earth</td>
<td>3</td>
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<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>
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<tr>
<td>BIOL 3500 Genetics</td>
<td>4</td>
<td>GEOG 1250 Weather/Climate</td>
<td>3</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>
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<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>
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</table>

<table>
<thead>
<tr>
<th>PHYSICAL SCIENCES: CHEMISTRY</th>
<th>32 HRS</th>
<th>PHYSICAL SCIENCES: PHYSICS</th>
<th>30 HRS</th>
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<tbody>
<tr>
<td>CHEM 1270 &amp; 1280 General Chemistry &amp; Lab</td>
<td>5</td>
<td>ASTR 2120 The Solar System</td>
<td>3</td>
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<tr>
<td>CHEM 1370 &amp; 1380 General Chemistry &amp; Lab</td>
<td>5</td>
<td>MATS 2320 Calculus &amp; Analytical Geometry</td>
<td>5</td>
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<tr>
<td>CHEM 2010 Lab Techniques</td>
<td>3</td>
<td>MATS 4010 Survey of Material Science I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3060 Organic Chemistry</td>
<td>4</td>
<td>PHYS 2020 College Physics II or PHYS 2120 University Physics II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 3080 &amp; 3090 Basic Biochemistry</td>
<td>4</td>
<td>PHYS 3010 &amp; 3110 Modern Physics &amp; Lab</td>
<td>4</td>
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<tr>
<td>CHEM 3130 Special Topics in Chemistry</td>
<td>3</td>
<td>PHYS 3020 &amp; 3120 Thermal Physics and Optics &amp; Lab</td>
<td>4</td>
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<tr>
<td>CHEM 3520 Physical Chemistry</td>
<td>3</td>
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<tr>
<td>MATH 2320 Calculus &amp; Analytical Geometry</td>
<td>5</td>
<td>PHYS 3500 Musical Acoustics</td>
<td>3</td>
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<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>
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</table>
The chart below indicates Benchmarks required for admission to the AYA Program, Block 1 (spring of Junior year), Block 2 (fall of Senior year), Student Teaching, and Graduation.

<table>
<thead>
<tr>
<th>Benchmarks for Teaching Progression</th>
<th>Required cumulative GPA</th>
<th>Required content GPA</th>
<th>“C” or higher in classes</th>
<th>Required classes</th>
<th>Content coursework completed</th>
<th>OAE</th>
<th>edTPA</th>
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<tbody>
<tr>
<td>Program Admission</td>
<td>3.0</td>
<td>N/A</td>
<td>•EDTL 2010&lt;br&gt;•EDTL 2300&lt;br&gt;•EDTL 2750&lt;br&gt;•PSYC 1010&lt;br&gt;•WRIT 1120&lt;br&gt;•EDTL 2020&lt;br&gt;•EDFI 3020&lt;br&gt;•EDIS 2310&lt;br&gt;•EDFI 2980/90</td>
<td>45</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Methods Block 1 Eligibility</td>
<td>3.0</td>
<td>2.8</td>
<td>•EDTL 3400&lt;br&gt;•EDTL 3021&lt;br&gt;•EDTL 4200</td>
<td>90 semester hours</td>
<td>80% of content coursework completed</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Methods Block 2 Eligibility</td>
<td>3.0</td>
<td>2.8</td>
<td>•EDTL 4750&lt;br&gt;•EDTL 4181&lt;br&gt;•EDL 4090&lt;br&gt;•EDFI 4020</td>
<td>100 semester hours</td>
<td>N/A</td>
<td>Pass OAE by mid-December</td>
<td>N/A</td>
</tr>
<tr>
<td>Student Teaching Eligibility</td>
<td>3.0</td>
<td>2.8</td>
<td>•EDTL 4850&lt;br&gt;•EDTL 4970</td>
<td>N/A</td>
<td>100% of content coursework completed</td>
<td>N/A</td>
<td>Complete edTPA</td>
</tr>
<tr>
<td>Graduation Requirements</td>
<td>N/A</td>
<td>N/A</td>
<td>•EDTL 2010&lt;br&gt;•EDTL 2300&lt;br&gt;•EDTL 2750&lt;br&gt;•PSYC 1010&lt;br&gt;•WRIT 1120&lt;br&gt;•EDTL 2020&lt;br&gt;•EDFI 3020&lt;br&gt;•EDIS 2310&lt;br&gt;•EDFI 2980/90</td>
<td>45</td>
<td>N/A</td>
<td>N/A</td>
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</tr>
</tbody>
</table>

Additional Policies

1. Transfer Students must complete 15 semester hours at BGSU prior to program admission.
2. BCI/FBI background checks must be renewed annually and sent directly to the Office of Education Preparation and Partnerships by July 1.
3. No courses in “Professional Education” may be taken S/U, and no more than one course in “Content for Teaching Specialty” may be taken S/U.

General Advice for Success

1. Monitor your GPA regularly using your degree audit.
2. Meet with your academic advisor at least once per semester to ensure you are on track. If you have difficulty connecting with your advisor, contact the Program Coordinator.
3. Read course descriptions on the BG web page under “Academics.” These descriptions list the courses that are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.
4. Freshman and Sophomore Years:
   a. Prioritize coursework and studying.
   b. Complete 1000 & 2000-level classes, along with major content courses. These are prerequisites for other courses you will need.
   c. Education Psychology is a prerequisite for program admission, EDTL 3400, and several upper-level classes, as shown in the table.