SECONDARY EDUCATION, B.S. (EDUCATION)

Begin Campus: Any Penn State Campus
End Campus: University Park

Program Description
Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

The following teaching options are available for majors in Secondary Education:

- Biological Science
- Chemistry
- Earth and Space Science
- English/Communication
- Environmental Education
- General Science
- Mathematics
- Physics
- Social Studies/Citizenship Education

The Secondary Education major helps prepare students for middle school and/or high school teaching positions and for other employment in fields related to their content specialties.

Biological Science Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

Chemistry Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

Earth and Space Science Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

English/Communication Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

Environmental Education Teaching Option
This option enables the graduate to meet all of the academic requirements for a Pennsylvania teacher certification in Environmental Education when completed in conjunction with another secondary education teaching option (i.e., Biological Science Teaching option). The total number of credits required will depend primarily on that other option.

General Science Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching General Science at the secondary-school level, which is issued by the Pennsylvania Department of Education. This option may only be completed in conjunction with another secondary education option (e.g., Biology); the total number of credits required will depend primarily on that other option.

Mathematics Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

Physics Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

Social Studies Teaching Option
This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching social studies courses in the secondary-school level, which is issued by the Pennsylvania Department of Education. This option has a prescribed component required for all candidates as well as a choice of concentrations that focus on a specific area. All graduates who successfully complete this program are highly qualified to teach history in secondary grades (7-12) and are eligible for PA certification in Social Studies (7-12) and/or Citizenship Education (7-12). Candidates who successfully complete the Civics & Government concentration are highly qualified to be teachers of U.S. government and civics (7-12). Candidates who successfully complete the Economics concentration are highly qualified to be teachers of economics and economic issues (7-12). Candidates who successfully complete the Geography concentration are highly qualified to be teachers of geography and global studies (7-12). Candidates who successfully complete the Social Sciences concentration receive additional content preparation to be highly qualified teachers of anthropology, psychology, or sociology (7-12). Candidates who successfully complete the Citizenship Education concentration receive additional in-depth content preparation in selected social-studies subjects (7-12).

What is Secondary Education?
The Secondary Education (SECED) major prepares graduates to teach at the middle school or high school level (grades 7-12) in English, Mathematics, Social Studies (which includes history, geography, government, and the social sciences), or a science subject (Biology, Chemistry, Earth & Space Science, or Physics). The program combines on-campus course work with clinical experiences in schools; graduates are eligible to apply for teacher licensure through the Pennsylvania Department of Education.

You Might Like This Program If...
- You are committed to public service and working with young people, and you appreciate that effective teaching demands both mastery...
of subject matter knowledge and understanding learners and communities.

- In your subject-matter studies, you tend to find yourself asking: How do we know that? Is there a better way to describe it? What are we overlooking? How could I help others understand this too?

MORE INFORMATION (https://ed.psu.edu/c-and-i/undergrad/secondary-education)

Entrance to Major

Baccalaureate degree candidates must meet the following requirements 1-3 by the end of their third semester:

1. A minimum cumulative grade point average of 3.00
2. Satisfaction of the ETS Praxis CORE exam, in order to meet the Pennsylvania Department of Education Basic Skills Testing requirement.
3. Documentation of at least 40 hours of volunteer or paid education work experience with learners of the age group the candidate plans to teach, with younger learners in the candidate's intended content area, or with adults with special needs. Part of this experience should include working with some learners who come from backgrounds that are different from the candidate's. Requirements 4-9 must be met by the end of the fourth semester when students typically participate in the Entrance-to-Major process.
4. A grade of "C" or better in all specified courses.
5. Completion of an early field experience specified by the certification program.
6. Completion of a core of Education courses specified by the certification program.
7. Completion of additional credits as specified by the certification program.
8. Completion of at least 48 semester credit hours, including ENGL 15 or ENGL 30, three credits of literature, and six credits of quantification requirement.
9. Approval from the professional education adviser or the head of the pertinent certification program.

Degree Requirements

For the Bachelor of Science degree in Secondary Education with an option in Biological Science Teaching, a minimum of 129 credits is required; with an option in Chemistry Teaching, a minimum of 126 credits is required; with an option in Earth and Space Science Teaching, a minimum of 123 credits is required; with an option in English/Communication Teaching, a minimum of 126 credits is required; with an option in Environmental Education Teaching and a cohort option, a minimum of 123 credits is required; with an option in General Science Teaching and a cohort option, a minimum of 121 credits is required; with an option in Mathematics Teaching, a minimum of 132 credits is required; with an option in Physics Teaching, a minimum of 121 credits is required; with an option in Social Studies Teaching, a minimum of 129 credits is required.

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (http://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 6 credits

12-24 of these 45 credits are included in the Requirements for the Major.

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements
- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>0-4</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>83-105</td>
</tr>
</tbody>
</table>

See also Teacher Education Programs (http://www.ed.psu.edu/educ/current-students/undergraduate/certification/instructional-1).
Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
This includes 12-27 credits of General Education courses:

- Biological Science Teaching option, Chemistry Teaching option, Earth and Space Science Teaching option, Environmental Education Teaching option, General Science Teaching option, and Physics Teaching option—6 credits of GH courses; 9 credits of GN courses, 3-6 credits of GS courses; 6 credits of GQ courses. English/Communication Teaching option—6 credits of GH courses; 3-6 credits of GS courses. Social Studies Teaching option—6 credits of GH courses; 3-6 credits of GQ courses. Mathematics Teaching option—6 credits of GH courses; 6 credits of GA courses; 6 credits of GS courses.

A grade of C or better per course is required for teacher certification.

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Prescribed Courses: Require a grade of C or better for teacher certification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CI 295</td>
<td>Introductory Field Experience for Teacher Preparation</td>
<td>2</td>
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<tr>
<td>EDPSY 14</td>
<td>Learning and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CI 280</td>
<td>Introduction to Teaching English Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>CI 495C</td>
<td>Clinical Application of Instruction – Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>SPLED 400</td>
<td>Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management</td>
<td>4</td>
</tr>
<tr>
<td>SPLED 403B</td>
<td>Evidence-Based Methods for Teaching Secondary Students with Disabilities in Inclusive Settings</td>
<td>3</td>
</tr>
<tr>
<td>CI 495E</td>
<td>Practicum in Student Teaching–Secondary Education</td>
<td>15</td>
</tr>
</tbody>
</table>

Supporting Courses and Related Areas: Require a grade of C or better for teacher certification

| Select 3 credits of GH courses from Literature Selection | 3 |
| EDTHP 115 | Education in American Society | 3 |
| EDTHP 115A | Competing Rights: Issues in American Education | 3 |
| Select 3 credits at the 400 level of any EDTHP course | 3 |

Requirements for the Option

Biological Science Teaching Option (63-66 credits)

| Select an option | 38-66 |

A grade of C or better per course is required for teacher certification.

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>Prescribed Courses: Require a grade of C or better for teacher certification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 110</td>
<td>Chemical Principles I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Experimental Chemistry I</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Chemical Principles II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 113</td>
<td>Experimental Chemistry II</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Calculus With Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Biology: Basic Concepts and Biodiversity</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220W</td>
<td>Biology: Populations and Communities</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 240W</td>
<td>Biology: Function and Development of Organisms</td>
<td>4</td>
</tr>
<tr>
<td>SCIED 411</td>
<td>Teaching Secondary Science I</td>
<td>3</td>
</tr>
<tr>
<td>SCIED 412</td>
<td>Teaching Secondary Science II</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses: Require a grade of C or better for teacher certification

| MATH 141 | Calculus with Analytic Geometry II (or 4 credits of 200-level STAT GQ courses) | 4       |
| BMB 251 & BMB 252 | Molecular and Cell Biology I and Molecular and Cell Biology II | 4-6   |
| BIOL 230W | Biology: Molecules and Cells | 3-4   |

Select one of the following:

| BIOL 427 | Evolution                                  | 3       |
| GEOSC 204 | Geobiology                                | 4       |
| GEOSC 424 | Paleontology and Fossils                | 3       |
| ANTH 21 | Introductory Biological Anthropology     | 3       |
| ANTH 460 | Human Genetics                            | 3       |

Select one of the following:

| PHYS 250 | Introductory Physics I                   | 3       |
| PHYS 251 | and Introductory Physics II              | 3       |
| PHYS 211 & PHYS 212 | General Physics: Mechanics and General Physics: Electricity and Magnetism | 4-6   |

Select 6 credits of the following:

<p>| | | |</p>
<table>
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<tbody>
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</tbody>
</table>
BMB 211  Elementary Biochemistry
BMB 212  Elementary Biochemistry Laboratory
BMB 401  General Biochemistry
BMB 402  General Biochemistry
CHEM 202  Fundamentals of Organic Chemistry I
CHEM 203  Fundamentals of Organic Chemistry II
CHEM 210  Organic Chemistry I
CHEM 212  Organic Chemistry II
CHEM 213  Laboratory in Organic Chemistry

Supporting Courses and Related Areas
Supporting Courses and Related Areas: Require a grade of C or better for teacher certification
Select 8 credits of 300-level or 400-level BIOL or biological fields

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

Chemistry Teaching Option (60-62 credits)
A grade of C or better per course is required for teacher certification.

<table>
<thead>
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<tr>
<td>CHEM 110</td>
<td>Chemical Principles I</td>
<td>3</td>
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<td>CHEM 111</td>
<td>Experimental Chemistry I</td>
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<td>CHEM 112</td>
<td>Chemical Principles II</td>
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<tr>
<td>CHEM 113</td>
<td>Experimental Chemistry II</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Biology: Basic Concepts and Biodiversity</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics: Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>General Physics: Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 450</td>
<td>Physical Chemistry - Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 452</td>
<td>Physical Chemistry - Quantum Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 457</td>
<td>Experimental Physical Chemistry</td>
<td>1-2</td>
</tr>
<tr>
<td>SCIED 411</td>
<td>Teaching Secondary Science I</td>
<td>3</td>
</tr>
<tr>
<td>SCIED 412</td>
<td>Teaching Secondary Science II</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses
Additional Courses: Require a grade of C or better for teacher certification
Select one of the following: 6-8
CHEM 202  Fundamentals of Organic Chemistry I
& CHEM 203  and Fundamentals of Organic Chemistry II
CHEM 210  Organic Chemistry I
& CHEM 212  and Organic Chemistry II
& CHEM 213  and Laboratory in Organic Chemistry
Select 6 credits of the following: 6
CHEM 402  Chemistry in the Environment
CHEM 406  Nuclear and Radiochemistry
CHEM 408  Computational Chemistry

CHEM 410  Inorganic Chemistry
CHEM 412  Transition Metal Chemistry
CHEM 423W  Chemical Spectroscopy
CHEM 425W  Chromatography and Electrochemistry

Earth and Space Science Teaching Option (57-62 credits)
A grade of C or better per course is required for teacher certification.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Biology: Basic Concepts and Biodiversity</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>Chemical Principles I</td>
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</tr>
<tr>
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<td>CHEM 113</td>
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</tr>
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<td>SCIED 412</td>
<td>Teaching Secondary Science II</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses
Additional Courses: Require a grade of C or better for teacher certification
Select one of the following: 3
GEOSC 1  Physical Geology
GEOSC 20  Planet Earth
GEOSC 71  Physical Geology for Engineers
MATH 141  Calculus with Analytic Geometry II (or 4 credits of 200-level STAT GQ courses) | 4 |
Select one of the following: 6-8
PHYS 250  Introductory Physics I
& PHYS 251  and Introductory Physics II
### Secondary Education, B.S. (Education)

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<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211</td>
<td>General Physics: Mechanics</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 212</td>
<td>and General Physics: Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics: Mechanics</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 213</td>
<td>and General Physics: Fluids and Thermal Physics</td>
<td></td>
</tr>
<tr>
<td>GEOSC 21</td>
<td>Earth and Life: Origin and Evolution</td>
<td>3</td>
</tr>
<tr>
<td>or GEOSC 204</td>
<td>Geobiology</td>
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</tr>
<tr>
<td>Select one of the following:</td>
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<td></td>
</tr>
<tr>
<td>EARTH 100</td>
<td>Environment Earth</td>
<td>3</td>
</tr>
<tr>
<td>EARTH 101</td>
<td>Natural Disasters: Hollywood vs. Reality</td>
<td></td>
</tr>
<tr>
<td>EARTH 103</td>
<td>Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century</td>
<td></td>
</tr>
<tr>
<td>EARTH 105</td>
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</tbody>
</table>

Select one of the following: 3-4

- METEO 3  
  Introductory Meteorology
- METEO 201  
  Introduction to Weather Analysis
- METEO 300  
  Fundamentals of Atmospheric Science
- ASTRO 10  
  Elementary Astronomy
- & ASTRO 11  
  and Elementary Astronomy Laboratory
  or ASTRO 291  
  Astronomical Methods and the Solar System

Select one of the following: 2-4

- GEOSC 40  
  The Sea Around Us
- GEOSC 440  
  Marine Geology
- BIOL 435  
  Ecology of Lakes and Streams
- BIOL 482  
  Coastal Biology

**Supporting Courses and Related Areas**

**Supporting Courses and Related Areas: Require a grade of C or better for teacher certification**

Select 8 credits from EARTH, GEOSC, METEO, ASTRO, other earth science field, or BIOL 427

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option’s requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

**English/Communication Teaching Option (54 credits)**

A grade of C or better per course is required for teacher certification.

Note: Must complete at least 3 credits of IL and 3 credits of US Cultures selections.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 221W</td>
<td>British Literature to 1798</td>
<td></td>
</tr>
<tr>
<td>ENGL 222</td>
<td>British Literature from 1798</td>
<td></td>
</tr>
<tr>
<td>ENGL 222W</td>
<td>British Literature from 1798</td>
<td></td>
</tr>
<tr>
<td>ENGL 231</td>
<td>American Literature to 1865</td>
<td></td>
</tr>
<tr>
<td>ENGL 231W</td>
<td>American Literature from 1865</td>
<td></td>
</tr>
<tr>
<td>ENGL 232</td>
<td>American Literature from 1865</td>
<td></td>
</tr>
<tr>
<td>ENGL 232W</td>
<td>American Literature from 1865</td>
<td></td>
</tr>
</tbody>
</table>

**Elements of Literature:**

Select 3 credits of the following: 3

- ENGL 201  
  What is Literature
- ENGL 261  
  Exploring Literary Forms
- ENGL 262  
  Reading Fiction
- ENGL 263  
  Reading Poetry
- ENGL 265  
  Reading Nonfiction
- ENGL 268  
  Reading Drama
- ENGL 401  
  Studies in Genre
- ENGL 401W  
  Creative Writing Theory
- COMM 261  
  The Literature of Journalism

**400-level Comparative Literature/Literature of Diverse Cultures:**

Select 3 credits of the following: 3

- AMST 493  
  The Folktale in American Literature
- CMLIT 400  
  Senior Seminar in Literary Criticism and Theory
- CMLIT 401  
  The Western Literary Heritage I
- CMLIT 403  
  Latina/o Literature and Culture
- CMLIT 404  
  Topics in Asian Literature
- CMLIT 405  
  Inter-American Literature
- CMLIT 406  
  Women and World Literature
- CMLIT 408  
  Heroic Literature
- CMLIT 422  
  African Drama
- CMLIT 423  
  African Novel
- CMLIT 453  
  Narrative Theory: Film and Literature
- CMLIT 470  
  The Modern Novel
- CMLIT 480  
  The International Folktale
- CMLIT 486  
  Tragedy
- CMLIT 487  
  Comedy
- CMLIT 488  
  Modern Continental Drama
- ENGL 404  
  Mapping Identity, Difference, and Place
- ENGL 420  
  Writing for the Web
- ENGL 431  
  Black American Writers
- ENGL 461  
  The Vernacular Roots of African American Literature
- ENGL 462  
  Reading Black, Reading Feminist
- ENGL 463  
  African American Autobiography
- ENGL 466  
  African American Novel I
- ENGL 467  
  African American Novel II
- ENGL 468  
  African American Poetry
- ENGL 469  
  Slavery and the Literary Imagination
- ENGL 490  
  Women Writers and Their Worlds
- ENGL 401  
  Studies in Genre
- ENGL 402  
  Literature and Society
- ENGL 404  
  Mapping Identity, Difference, and Place (when topic appropriate and with adviser’s approval)

**Language and Literature Core**

**Prescribed Courses**

Prescribed Courses: Require a grade of C or better for teacher certification

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENGL 444</td>
<td>Shakespeare</td>
<td>3</td>
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<tr>
<td>LLLED 411</td>
<td>Teaching Language Arts In Secondary Schools I</td>
<td>3</td>
</tr>
<tr>
<td>LLLED 412</td>
<td>Teaching Language Arts in Secondary Schools II</td>
<td>3</td>
</tr>
<tr>
<td>LLLED 420</td>
<td>Adolescent Literature and Literacy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Courses**

200-level British or U.S. Literature Survey:

Select 3 credits of the following: 3

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
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<td>British Literature to 1798</td>
<td></td>
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</tbody>
</table>
400-level Topics in American Literature:
Select 3 credits of the following:  
- ENGL 430 The American Renaissance  
- ENGL 432 The American Novel to 1900  
- ENGL 433 The American Novel: 1900-1945  
- ENGL 434 Topics in American Literature  
- ENGL 435 The American Short Story  
- ENGL 436 American Fiction Since 1945  
- ENGL 437 The Poet in America  
- ENGL 438 American Drama  
- ENGL 439 American Nonfiction Prose  
- ENGL 440 Studies in Genre  
- ENGL 441 Literature and Society  
- ENGL 442 Mapping Identity, Difference, and Place (when topic appropriate and with adviser's approval)

Topics in British Literature:
Select 3 credits of the following:  
- ENGL 440 Studies in Shakespeare  
- ENGL 441 Chaucer  
- ENGL 442 Medieval English Literature  
- ENGL 443 The English Renaissance  
- ENGL 444 Shakespeare's Contemporaries  
- ENGL 445 Milton  
- ENGL 446 The Restoration and the Eighteenth Century  
- ENGL 447 The English Novel to Jane Austen  
- ENGL 450 The Romantics  
- ENGL 452 The Victorians  
- ENGL 453 Victorian Novel  
- ENGL 454 Modern British and Irish Drama  
- ENGL 455 Topics in British Literature  
- ENGL 456 British Fiction, 1900-1945  
- ENGL 457 British Fiction Since 1945  
- ENGL 458 Twentieth-Century Poetry  
- ENGL 489 British Women Writers  
- ENGL 492 American Women Writers  
- ENGL 401 Studies in Genre  
- ENGL 402 Literature and Society  
- ENGL 404 Mapping Identity, Difference, and Place (when topic appropriate and with adviser's approval)

Grammar, Language, and Linguistics:
Select 3 credits of the following:  
- ENGL 100 English Language Analysis  
- ENGL 407 History of the English Language  
- ENGL 417 The Editorial Process  
- LING 100 Foundations of Linguistics  

Creative Writing and/or Advanced Composition:
Select 3 credits of the following:  
- CAS 214 Speech Writing  
- COMM 260W News Writing and Reporting  
- COMM 460 Reporting Methods  
- COMM 461 Magazine Writing  
- COMM 462 Feature Writing  
- ENGL 212 Introduction to Fiction Writing  
- ENGL 213 Introduction to Poetry Writing  
- ENGL 215 Introduction to Article Writing  
- ENGL 281 Television Script Writing  
- ENGL 412 Advanced Fiction Writing  
- ENGL 413 Advanced Poetry Writing  
- ENGL 414 Biographical Writing  
- ENGL 418 Advanced Technical Writing and Editing  
- ENGL 419 Advanced Business Writing  
- ENGL 420 Writing for the Web  
- ENGL 421 Advanced Expository Writing  
- THEA 440 Principles of Playwriting  

Rhetoric:
Select 3 credits of the following:  
- CAS 215 Argumentation  
- CAS 415 Rhetoric of Film and Television  
- CAS 475 Studies in Public Address  
- COMM 467 News Editing and Evaluation  
- ENGL 409 Composition Theory and Practice for Teachers  
- ENGL 411 Rhetorical Theory and Practice  
- ENGL 470 Rhetorical Theory and Practice  
- ENGL 471 Rhetorical Traditions  
- ENGL 472 Current Theories of Writing and Reading  
- ENGL 473 Rhetorical Approaches to Discourse  
- ENGL 474 Issues in Rhetoric and Composition  
- ENGL 487 Senior Seminar  

Media Literacies Core
Prescribed Courses
Prescribed Courses: Require a grade of C or better for teacher certification
LLED 480 Media Literacy in the Classroom 3

Additional Courses

Mass Media
Select 3 credits of the following:  
- COMM 100 The Mass Media and Society  
- COMM 118 Introduction to Media Effects  
- COMM 150 Gender, Diversity and the Media  
- COMM 411 Cultural Aspects of the Mass Media  
- COMM 413W The Mass Media and the Public  

Speech and Oral Performance
Select 3 credits of the following:  
- CAS 213 Persuasive Speaking  
- CAS 215 Argumentation  
- CAS 250 Small Group Communication  
- CAS 271 Storytelling and Speaking  
- CAS 375 Rhetoric and Public Controversy  
- CAS 422 Contemporary African American Communication  
- THEA 102 Fundamentals of Acting  

Media Literacy
Select 9 credits within one, or across several, of the following media literacy areas:

**Multimedia:**
- ART 100 Concepts and Creation in the Visual Arts
- ARTH 111 Ancient to Medieval Art
- ARTH 112 Renaissance to Modern Art
- ARTH 120 Asian Art and Architecture
- ARTH 130 Art of Africa, Oceania, and the Americas
- CAS 175 Persuasion and Propaganda
- CAS 283 Communication and Information Technology I
- CAS 415 Rhetoric of Film and Television
- CAS 483 Communication and Information Technology II
- COMM 100 The Mass Media and Society
- COMM 118 Introduction to Media Effects
- COMM 120 Advertising and Society
- COMM 150
- COMM 180 Survey of Electronic Media and Telecommunications
- COMM 205 Gender, Diversity and the Media
- COMM 242 Basic Video/Filmmaking
- COMM 250 Film History and Theory
- COMM 283 Television Studio Production
- COMM 453 Narrative Theory: Film and Literature
- COMM 454 Documentary in Film and Television
- PHOTO 100 Introduction to Photography
- WNMST 205 Gender, Diversity and the Media

**Theatre:**
- THEA 102 Fundamentals of Acting
- THEA 103 Fundamentals of Directing
- THEA 104 Fundamentals of Theatre Production
- THEA 112 Introduction to Musical Theatre
- THEA 120 Acting I
- THEA 130 Introduction to Theatre Scenic and Costume Technology
- THEA 131 Introduction to Theatre Sound and Lighting Technology
- THEA 189 Theatre Production Practicum
- THEA 210 Hip Hop Theatre Performance Workshop
- THEA 428 Musical Theatre Performance Studio V

**Journalism:**
- COMM 260W News Writing and Reporting
- COMM 261 The Literature of Journalism
- COMM 269 Photojournalism
- COMM 409 News Media Ethics
- COMM 460 Reporting Methods
- COMM 461 Magazine Writing
- COMM 462 Feature Writing
- COMM 467 News Editing and Evaluation
- COMM 497 Special Topics (when topic appropriate and with adviser's approval)

**Communication Arts and Sciences:**
- CAS 301 Rhetorical Theory
- CAS 303 Communication Theory
- CAS 203 Interpersonal Communication
- CAS 213 Persuasive Speaking
- CAS 215 Argumentation
- CAS 250 Small Group Communication
- CAS 280W Storytelling and Speaking
- CAS 311 Methods of Rhetorical Criticism
- CAS 375 Rhetoric and Public Controversy
- CAS 383 Culture and Technology
- CAS 411 Rhetorical Criticism
- CAS 422 Contemporary African American Communication
- CAS 455 Gender Roles in Communication
- CAS 470 Nonverbal Communication
- CAS 471 Intercultural Communication Theory and Research
- CAS 475 Studies in Public Address

**Creative Writing:**
- ENGL 210 The Process of Writing
- ENGL 212 Introduction to Fiction Writing
- ENGL 213 Introduction to Poetry Writing
- ENGL 215 Introduction to Article Writing
- ENGL 281 Television Script Writing
- ENGL 412 Advanced Fiction Writing
- ENGL 413 Advanced Poetry Writing
- ENGL 422 Fiction Workshop
- ENGL 423 Poetry Writing Workshop
- ENGL 425 Nonfiction Workshop

**Instructional Systems:**
- EDTEC 400 Introduction to Instructional Technology for Educators
- EDTEC 448 Using the Internet in the Classroom
- LDT 566 Computers as Learning Tools
- LDT 441 Design, Development, and Evaluation of Internet Resources

**Bilingual Education and World Languages:**
- APLNG 482 Introduction to Applied Linguistics
- APLNG 491 Theory: Second Language Acquisition
- APLNG 493 Teaching English as a Second Language
- CAS 271
- CAS 471 Intercultural Communication Theory and Research
- LLED 445 Teaching English in Bilingual/Dialectal Education
- WLED 411 Methods of Teaching World Languages in Grades 1-5
- WLED 412 Methods of Teaching World Languages in Grades 6-12

A foreign language credits at the 12th credit level or above

**Environmental Education Teaching Option (55-58 credits)**
A grade of C or better per course is required for teacher certification.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>Introductory Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Courses: Require a grade of C or better for teacher certification
A grade of C or better per course is required for teacher certification.

General Science Teaching Option (38 credits)

must be earned for science certification.


Note 2: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics. Options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Students may complete multiple science teaching options concurrently by completing all of each option’s requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

Mathematics Teaching Option (57-59 credits)

A grade of C or better per course is required for teacher certification.

Note 1: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

General Science Teaching Option (38 credits)

A grade of C or better per course is required for teacher certification.

Note 1: This option may only be completed in conjunction with another secondary teaching option, such as Biology.

Note 2: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 3: This option may only be completed in conjunction with another secondary teaching option, such as the Biological Science Teaching option.
A grade of C or better per course is required for teacher certification.

**Physics Teaching Option (55-62 credits)**
A grade of C or better per course is required for teacher certification.

**Additional Courses**
- **CMPSC 101** Introduction to Programming
- **or CMPSC 121** Introduction to Programming Techniques
- **MATH 231** Calculus of Several Variables & **MATH 232** Calculus and Integral Vector Calculus
- **or MATH 230** Calculus and Vector Analysis

Select one of the following:
- **STAT 401** Experimental Methods
- **MATH 415** Introduction to Mathematical Statistics

3 credits of **MTHED** from program list

**Supporting Courses and Related Areas**
Select 6 credits from 400-level **MATH** or **MTHED** courses

**Prescribed Courses** (3 credits)
- **MATH 250** Ordinary Several Variables
- **or MATH 251** Ordinary Differential Equations
- **or MATH 231** Calculus of Several Variables

**Supporting Courses and Related Areas**
Select 6 credits of 400-level History

**Social Studies Teaching Option (57 credits)**
A grade of C or better per course is required for teacher certification.

**Code**  | **Title**                      | **Credits**
---------|--------------------------------|----------
**CHEM 110**  | Chemical Principles I         | 3
**CHEM 111**  | Experimental Chemistry I      | 1
**CHEM 112**  | Chemical Principles II        | 3
**CHEM 113**  | Experimental Chemistry II     | 1
**MATH 140**  | Calculus With Analytic Geometry I | 4
**MATH 141**  | Calculus With Analytic Geometry II | 4
**PHYS 211**  | General Physics: Mechanics    | 4
**PHYS 212**  | General Physics: Electricity and Magnetism | 4
**PHYS 220**  | Matrices                      | 2-3
**PHYS 213**  | General Physics: Fluids and Thermal Physics | 2
**PHYS 214**  | General Physics: Wave Motion and Quantum Physics | 2
**PHYS 237**  | Introduction to Modern Physics | 3
**PHYS 400**  | Intermediate Electricity and Magnetism | 3-4
**PHYS 419**  | Theoretical Mechanics         | 3
**SCIED 411** | Teaching Secondary Science I  | 3
**SCIED 412** | Teaching Secondary Science II | 3

**Additional Courses**
- **MATH 230** Calculus and Vector Analysis

Select one of the following:
- **PHYS 457** Experimental Physics
- **PHYS 402** Electronics for Scientists
- **PHYS 458** Intermediate Optics

**Code**  | **Title**                      | **Credits**
---------|--------------------------------|----------
**ECON 104**  | Introductory Macroeconomic Analysis and Policy | 3
**GEOG 10**  | Physical Geography: An Introduction | 3
**GEOG 20**  | Human Geography: An Introduction | 3
**HIST 20**  | American Civilization to 1877 | 3
**HIST 21**  | American Civilization Since 1877 | 3
**PLSC 1**  | American Politics: Principles, Processes and Powers | 3
**SSED 411**  | Teaching Secondary Social Studies I | 3
**SSED 412W** | Teaching Secondary Social Studies II | 3

**Supporting Courses and Related Areas**
Select 6 credits of 400-level History

Select one concentration:
- **Citizenship Education**
Select 6 of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 45N</td>
<td>Cultural Diversity: A Global Perspective</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Introductory Microeconomic Analysis and Policy</td>
</tr>
<tr>
<td>ECON 302</td>
<td>Intermediate Microeconomic Analysis</td>
</tr>
<tr>
<td>ECON 304</td>
<td>Intermediate Macroeconomic Analysis</td>
</tr>
<tr>
<td>ECON 315</td>
<td>Labor Economics</td>
</tr>
<tr>
<td>ECON 323</td>
<td>Public Finance</td>
</tr>
<tr>
<td>ECON 333</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECON 342</td>
<td>Industrial Organization</td>
</tr>
<tr>
<td>PLSC 3</td>
<td>Comparing Politics around the Globe</td>
</tr>
<tr>
<td>PLSC 7</td>
<td>International Relations</td>
</tr>
<tr>
<td>PLSC 14</td>
<td>International Relations</td>
</tr>
<tr>
<td>PLSC 110</td>
<td>Rights in America</td>
</tr>
<tr>
<td>PLSC 123</td>
<td>Ethnic and Racial Politics</td>
</tr>
<tr>
<td>PLSC 125</td>
<td>Pennsylvania Government and Politics</td>
</tr>
<tr>
<td>PLSC 130</td>
<td>American Political Campaigns and Elections</td>
</tr>
<tr>
<td>SOC 1</td>
<td>Introductory Sociology</td>
</tr>
</tbody>
</table>

Select 3 credits of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 30N</td>
<td>Environment and Society in a Changing World</td>
</tr>
<tr>
<td>GEOG 40</td>
<td>World Regional Geography</td>
</tr>
<tr>
<td>GEOG 320</td>
<td>Urban Geography: A Global Perspective</td>
</tr>
<tr>
<td>GEOG 122</td>
<td>The American Scene</td>
</tr>
<tr>
<td>GEOG 123</td>
<td>Geography of Developing World</td>
</tr>
<tr>
<td>GEOG 124</td>
<td>Elements of Cultural Geography</td>
</tr>
<tr>
<td>GEOG 126</td>
<td>Economic Geography</td>
</tr>
<tr>
<td>GEOG 128</td>
<td>Geography of International Affairs</td>
</tr>
<tr>
<td>GEOG 130</td>
<td>Environment, Power, and Justice</td>
</tr>
<tr>
<td>GEOG 160</td>
<td>Mapping Our Changing World</td>
</tr>
</tbody>
</table>

Select 3 credits of History at the 100-level or above

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSED 200</td>
<td>American Heritage</td>
</tr>
</tbody>
</table>

Select 6 credits of 400-level Anthropology, Psychology, and/or Sociology

Note 1: Courses taken to meet Additional Courses and other Supporting Courses and Related Areas requirements cannot also be applied to the concentration. Different courses need to be selected for the concentration and Additional Courses and other Supporting Courses and Related Areas requirements.

**Academic Advising**

The objectives of the university’s academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of-class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary academic adviser, the information need to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

**University Park**

College of Education
Advising and Certification Center
228 Chambers Building
University Park, PA 16802
814-865-0488
ed@admissions.psu.edu

**Erie**

Jodie Styers
Lecturer in Math Education
8 Prischak
Erie, PA 16563
814-898-6349
jls982@psu.edu

**Suggested Academic Plan**

**Biology Teaching Option at University Park Campus and Commonwealth Campuses**

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

**First Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Spring Course Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 15 or 30</td>
<td>3</td>
<td>CHEM 110*#</td>
</tr>
<tr>
<td>MATH 140*#</td>
<td>4</td>
<td>CHEM 111*#</td>
</tr>
<tr>
<td>BIOL 110*#</td>
<td>4</td>
<td>MATH 141 or STAT 200*#</td>
</tr>
<tr>
<td>PSYCH 100*#</td>
<td>3</td>
<td>CAS 100A</td>
</tr>
</tbody>
</table>

*# Accessible in LionPATH as either Academic Requirements or What If report.
EDUC 100 1 Health and Physical Activity 1.5

Biol 220W* 4

15 16.5

**Second Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 230W or BMB 251 and BMB 252*</td>
<td>4</td>
<td>CI 280**</td>
<td>3</td>
</tr>
<tr>
<td>EDPSY 14**</td>
<td>3</td>
<td>HDFS 239 or PSYCH 412**</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 112*†</td>
<td>3</td>
<td>BIOL 240W*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 113**</td>
<td>1</td>
<td>PHYS 250 or 211**</td>
<td>4</td>
</tr>
<tr>
<td>Literature Selection †*‡¹</td>
<td>3</td>
<td>EDTHP 115 (or EDTHP 400 Level Selection)</td>
<td>3</td>
</tr>
<tr>
<td>CI 295**</td>
<td>2</td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>Credits</td>
</tr>
<tr>
<td>SPLED 400*</td>
</tr>
<tr>
<td>PHYS 251 or 212*</td>
</tr>
<tr>
<td>ENGL 202A or 202B*</td>
</tr>
<tr>
<td>BIOL 427, ANTH 21, ANTH 460, GEOSC 204, or GEOSC 424*</td>
</tr>
<tr>
<td>BMB 211/212, 401, 402, CHEM 202, CHEM 203, CHEM 210, CHEM 212, or CHEM 213*²</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>Credits</td>
</tr>
<tr>
<td>SCIED 412*</td>
</tr>
<tr>
<td>CI 495C*</td>
</tr>
<tr>
<td>Arts Selection</td>
</tr>
<tr>
<td>BIOL 300-400 Level Selection*</td>
</tr>
<tr>
<td>BIOL 300-400 Level Selection*</td>
</tr>
</tbody>
</table>

| Total Credits 128-129 |

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
‡ Course is an Entrance to Major requirement
† Course satisfies General Education and degree requirement

**University Requirements and General Education Notes:**

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1. Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2. BMB 211 is related to and a prerequisite for the companion laboratory course BMB 212 (1 credit).
3. No Additional coursework permitted during Student Teaching.

**Additional Notes:**

- Must complete at least 3 cr. of United States (US) and 3 cr. of International Cultures (IL).
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirement.
- First Aid and CPR certification required. (on-line courses not acceptable)
- Summer study could reduce some of the credit loads above.
- Effective Fall 2012, all incoming Schreyer Honors College freshmen at University Park will take ENGL/CAS 137H in the fall semester and ENGL/CAS 138T in the spring semester. These courses carry GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits. At the discretion of the college, ENGL/CAS 138T satisfies the first-year seminar requirement.
- Academic Advising Notes: The course series listed above is only one of many possible ways to move through this curriculum. Please be sure to also use the curriculum checksheets and degree audits, as well as consult with an adviser about appropriate scheduling sequences, clearances for field experiences and testing requirements. Advisers also can assist students in identifying coursework offered at Penn State in the SUMMER.

**Chemistry Teaching Option at University Park Campus and Commonwealth Campuses**

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.
First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
</table>
| ENGL 15 or 30
g | 3       | CHEM 112
g | 3       |
| MATH 140
g | 4       | CHEM 113
g | 1       |
| CHEM 110
g | 3       | MATH 141
g | 4       |
| CHEM 111
g | 1       | Arts Selection | 3       |
| EDUC 100          | 1       | EDPSY 14
g | 3       |
| PSYCH 100
g | 3       | Literature Selection | 3       |
|                    |         |         |         |
|                    | 15      |         | 17      |

Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
</table>
| BIOL 110
g | 4       | CAS 100A | 3       |
| PHYS 211
g | 4       | PHYS 212
g | 4       |
| CI 295
g | 2       | EDTHP 115 (or EDTHP 400 Level Selection) | 3       |
| CHEM 210
g | 3       | CHEM 212 & CHEM 213 | 5       |
| CI 280
g | 3       | CHEM 200 Level Selection | 3       |
|                    |         |         |         |
|                    | 16      |         | 18      |

Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
</table>
| CHEM 200 Level Selection
g | 3       | SCIED 411
g | 3       |
| CHEM 450
g | 3       | HDHS 239 or PSYCH 412
g | 3       |
| CHEM 457
g | 2       | CHEM 452
g | 3       |
| ENGL 202A or 202B | 3       | CHEM 400 Level Selection | 3       |
| Health and Physical Activity
g | 1.5     | Health and Physical Activity | 1.5     |
| SPLED 400
g | 4       | SPLED 403B
g | 3       |
|                    |         |         |         |
|                    | 16.5    |         | 16.5    |

Fourth Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
</table>
| SCIED 412
g | 3       | CI 495E
g | 15      |
| Arts Selection | 3       |         |         |
| CI 495C
g | 3       |         |         |
| CHEM 400 Level Selection | 3       |         |         |
| Arts Selection | 3       |         |         |
|                    | 15      |         | 15      |

Total Credits 129

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of "C" or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1. Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2. CHEM 402, 406, 408, 410, 412, 423, 425, or CH E 301 or 435
3. No Additional coursework permitted during Student Teaching.

Additional Notes

- Must complete at least 3 cr. of United States (US) and 3 cr. of International Cultures (IL).
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirement.
- First Aid and CPR certification required. (on-line courses not acceptable)
- Summer study could reduce some of the credit loads above.
- Effective Fall 2012, all incoming Schreyer Honors College freshmen at University Park will take ENGL/CAS 137H in the fall semester and ENGL/CAS 138T in the spring semester. These courses carry GWS designation and replace both ENGL 030 and CAS 100. Each course is 3 credits. At the discretion of the college, ENGL/CAS 138T satisfies the first-year seminar requirement.
- Academic Advising Notes: The course series listed above is only one of many possible ways to move through this curriculum. Please be sure to also use the curriculum check sheets and degree audits, as well as consult with an adviser about appropriate scheduling sequences, clearances for field experiences and testing requirements. Advisers also can assist students in identifying coursework offered at Penn State in the SUMMER earth and space teaching option at University Park Campus and commonwealth campuses.

Earth and Space Teaching Option at University Park and Commonwealth Campuses

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

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<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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</table>
| ENGL 15 or 30
g | 3       | CHEM 110
g | 3       |
| MATH 140
g | 4       | CHEM 111
g | 1       |
| BIOL 110
g | 4       | MATH 141 or STAT 200
g | 4       |
| PSYCH 100
g | 3       | CAS 100A | 3       |
EDUC 100 | Health and Physical Activity | 1.5
---|---|---
EARTH 100, 101, 103, or 105 | 3

**Second Year**

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<th>Fall</th>
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<tbody>
<tr>
<td>EDPSY 14</td>
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<td>EDTHP 115 (or EDTHP 400 Level Selection)</td>
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<td>CHEM 112</td>
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<td>PHYS 250 or 211</td>
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<td>CHEM 113</td>
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<td>GEOSC 1, 20, or 71</td>
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<td>CI 280</td>
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**Third Year**

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<td>ASTRO 10 or 291</td>
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<td>BIOL 427 (or 200-400 Level Selection (EARTH, GEOSC, METEO, ASTRO, related fields))</td>
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**Fourth Year**

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**Total Credits 122-128**

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

**University Requirements and General Education Notes:**

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

**Additional Notes:**

- Literature Selection list of acceptable courses available here ([link](https://ed.psu.edu/current-students/undergrad/academic-programs-1/)).
- No Additional coursework permitted during Student Teaching.

**English and Communication Teaching Option at University Park Campus and Commonwealth Campuses**

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

**First Year**

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<th>Spring</th>
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<td>PSYCH 100</td>
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<td>Literature Selection</td>
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</table>

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1. Literature Selection list of acceptable courses available here ([link](https://ed.psu.edu/current-students/undergrad/academic-programs-1/)).
2. No Additional coursework permitted during Student Teaching.
Second Year

<table>
<thead>
<tr>
<th>Activity</th>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
<th>Credits</th>
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<tr>
<td>Health and Physical Activity</td>
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<td>2 CAS 213, 215, 250, 271, CAS 280W, CAS 375, CAS 422, or THEA 102</td>
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<tr>
<td>Grammar Language and Linguistics Selection</td>
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<td>PSYCH 412 or HDFS 239</td>
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<tr>
<td>Media Literacy Selection</td>
<td>3</td>
<td>Science Selection</td>
<td>2</td>
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<tr>
<td>CI 280</td>
<td>3</td>
<td>Creative Writing or Advanced Composition Selection</td>
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<tr>
<td>British or U.S. Literature Selection</td>
<td>3</td>
<td>Elements of Literature Selection</td>
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<tr>
<td>CAS 100A</td>
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Third Year

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<th>Spring</th>
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<tr>
<td>Rhetoric Selection</td>
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<td>ENGL 444</td>
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<td>EDTHP 115 (or EDTHP 400 Level Selection)</td>
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<td>Topics in British Literature Selection</td>
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</tr>
<tr>
<td>Health and Physical Activity</td>
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Fourth Year

<table>
<thead>
<tr>
<th>Activity</th>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparative Literature or Literature of Diverse Cultures Selection</td>
<td>3</td>
<td>CI 495E</td>
<td>15</td>
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<tr>
<td>LLED 412</td>
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<tr>
<td>CI 495C</td>
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<tr>
<td>Topics in American Literature Selection</td>
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<tr>
<td>SPLED 403B</td>
<td>3</td>
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<tr>
<td>Health and Physical Activity</td>
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</table>

Total Credits 127

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
† Course satisfies General Education and degree requirement

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures). W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1. Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
3. ENGL 100, 407, 417; LING 100
4. ENGL 221, 221W, 222, 222W, 231, 231W, 232, 232W
5. CAS 214; COMM 260W, 460, 461, 462, 467; ENGL 212-213, 215, 281, 412-416, 418-421, or THEA 440
6. ENGL 201, 261, 262, 263, 265, 268, 401, 401W or COMM 261
7. CAS 215, 415, 475; ENGL 409, 411 or 470-474, 487W; COMM 467
8. ENGL 440-443, 445-448, 450, 452-458, 489, 401-404 with approval
9. AM ST 493; CMLIT 400-406, 408, 422, 423, 453, 470,480, 486-488; ENGL 426, 431, 461-463, 466-469, 490; ENGL 401-408 with approval
10. ENGL 430, 432-439, 492; 401-404 with approval
11. No Additional coursework permitted during Student Teaching.

Mathematics Teaching Option-Fall Semester Student Teaching at University Park Campus and Commonwealth Campuses

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

<table>
<thead>
<tr>
<th>Activity</th>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 15 or 30</td>
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<td>MATH 141</td>
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<tr>
<td>EDUC 100</td>
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<td>MATH 220</td>
<td>3</td>
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<tr>
<td>MATH 140</td>
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<td>Literature Selection</td>
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<td>CMPSC 101 or 121</td>
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<td>Science Selection</td>
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<tr>
<td>PSYCH 100</td>
<td>3</td>
<td>CAS 100A</td>
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<tr>
<td>Arts Selection</td>
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<td>Health and Physical Activity</td>
<td>1.5</td>
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Second Year

Fall Credits Spring Credits
MATH 230 or 231*# 4 HDFS 239 or PSYCH 412*† 3
MATH 311W* 3 MATH 310* 3
Science Selection 3 MATH 312* 3
EDPSY 14*# 3 Science Selection 3
CI 280*† 3 CI 295*# 2
Health and Physical Activity 1.5 EDTHP 115 (or EDTHP 400 Level Selection)* 3

Total Credits 17.5

Third Year

Fall Credits Spring Credits
MTHED 411* 3 MTHED 412* 3
MTHED 427* 3 CI 495C* 3
SPLED 400* 3 SPLED 403B* 3
MATH 435 or 470* 3 MATH 471* 4
MATH 414* 3 MATH 436* 3

Total Credits 16

Fourth Year

Fall Credits Spring Credits
CI 495E*2 15 MATH 400 Level Selection or MTHED 400 Level Selection* 3
MATH 400 Level Selection or MTHED 400 Level Selection* 3
ENGL 202A or 202B* 3
Arts Selection 3
STAT 401 or MATH 415* 3

Total Credits 15

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1 Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2 No Additional coursework permitted during Student Teaching.

Mathematics Teaching Option - Spring Semester

Student Teaching at University Park and Commonwealth Campuses

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall Credits Spring Credits
ENGL 15 or 30*# 3 MATH 141*†# 4
EDUC 100 1 MATH 220*#† 3
MATH 140*†# 4 Literature Selection*†1 3
CMPSC 101 or 121*†# 3 Science Selection 3
PSYCH 100*†# 3 CAS 100A* 3
Arts Selection 3 Health and Physical Activity 1.5

Total Credits 17.5

Second Year

Fall Credits Spring Credits
MATH 230 or 231*# 4 HDFS 239 or PSYCH 412*† 3
MATH 311W* 3 MATH 310* 3
Science Selection 3 MATH 312* 3
EDPSY 14*# 3 Science Selection 3
CI 280*† 3 CI 295*# 2
Health and Physical Activity 1.5 EDTHP 115 (or EDTHP 400 Level Selection)* 3

Total Credits 17.5

Third Year

Fall Credits Spring Credits
Arts Selection 3 SPLED 400* 4
ENGL 202A or 202B* 3 MTHED 411*† 3
MATH 414* 3 MATH 427* 3
MATH 435 or 470* 3 MATH 471* 4
MATH 436 or 441* 3 MATH 400 Level Selection or MTHED 400 Level Selection* 3

Total Credits 15

Fourth Year

Fall Credits Spring Credits
MTHED 412* 3 CI 495E*2 15
SPLED 403B* 3

Integrated Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).
W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.
GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Additional scholarship information can be found in the University's website (https://www.psu.edu).
### Physics Teaching Option at University Park Campus and Commonwealth Campuses

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

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<th>Spring</th>
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<td>3 CHEM 110 <strong>#</strong></td>
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<td>PHYS 211 <strong>##</strong></td>
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<td>4 MATH 141 <strong>#</strong></td>
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<td>3 PHYS 212 <strong>#</strong></td>
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* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

#### Second Year

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<td>4 Cl 295 <strong>#</strong></td>
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<td>Literature Selection  <strong>##</strong></td>
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<td>CI 280 <strong>##</strong></td>
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<td>3 MATH 250 or 251 <strong>##</strong></td>
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<td>2 PHYS 237 <strong>#</strong></td>
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* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

#### Third Year

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<tr>
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<td>4 CAS 100A <strong>#</strong></td>
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<td>ENGL 202A or 202B <strong>##</strong></td>
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<td>3 SCIED 411 *#</td>
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<td>3-4 Arts Selection</td>
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<tr>
<td>PHYS 400 *#</td>
<td>3</td>
<td>3 SPLED 403B *#</td>
<td>3</td>
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<tr>
<td>HDFS 239 or PSYCH 412 <strong>#</strong></td>
<td>3</td>
<td>3 PHYS 419 *#</td>
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<td>15</td>
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</table>

* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
‡ Course satisfies General Education and degree requirement

#### Fourth Year

<table>
<thead>
<tr>
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<td>Arts Selection</td>
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<td>PHYS 402, 457, or 458 <strong>#</strong></td>
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<td>121-126</td>
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</tbody>
</table>

* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
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‡ Course satisfies General Education and degree requirement

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

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Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Integrative Studies courses are required for the General Education program.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1 Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2 No Additional coursework permitted during Student Teaching.
All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1 Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2 No additional coursework permitted during Student Teaching.

### Social Studies Option - Fall Semester Student Teaching at University Park Campus and Commonwealth Campuses

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may change policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>ENGL 15 or 30*</td>
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<td>GEOG 10'#†</td>
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<tr>
<td>EDUC 100</td>
<td>1</td>
<td>GEOG 30N, 40, or 160†</td>
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<td>HIST 20'#†</td>
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<td>HIST 21'#†</td>
<td>3</td>
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<td>PSYCH 100'#†</td>
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<td>CAS 100A*</td>
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<td>Mathematics Selection*#†</td>
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#### Second Year

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<td>EDPSY 14*</td>
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<td>CI 295*</td>
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<td>ECON 104#†</td>
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<td>ENGL 202A or 202B*</td>
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<td>PLSC 1#*†</td>
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<td>Literature Selection*#†</td>
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<td>GEOG 20*</td>
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<td>Health and Physical Activity</td>
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#### Third Year

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<td>SSED 411*</td>
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<td>SSED 412W*</td>
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<tr>
<td>HDFS 239 or PSYCH 412*</td>
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<td>CI 495C*</td>
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<tr>
<td>SPLED 400*</td>
<td>4</td>
<td>SPLED 403B*</td>
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#### Fourth Year

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<td>Concentration Selection*#²</td>
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<td>ANTH/ECON/PLSC/SSED 200-level Selection</td>
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### What If

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
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All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

1 Literature Selection list of acceptable courses available here (https://ed.psu.edu/current-students/undergrad/academic-programs-1/literature).
2 Citizenship Education (ECON, GEOP, PL SC, HIST, SS ED), Civics & Government (PL SC), Economics (ECON), Geography (GEOP), or Social Sciences (ANTH, PSYCH, SOC).
3 No additional coursework permitted during student teaching.

### Social Studies Option - Spring Student Teaching at University Park Campus and Commonwealth Campuses

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#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 15 or 30*</td>
<td>3</td>
<td>GEOG 10'#†</td>
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<td>EDUC 100</td>
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<td>GEOG 30N, 40, or 160†</td>
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<td>HIST 20'#†</td>
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<td>HIST 21'#†</td>
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<tr>
<td>PSYCH 100#†</td>
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<td>Science Selection†</td>
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</table>

- * Course requires a grade of C or better for the major
- † Course requires a grade of C or better for General Education
- ‡ Course requires a grade of C or better for the major
Mathematics Selection \(^{*}\) 3 Art Selection 3
Science Selection 3 Health and Physical Activity 1.5

<table>
<thead>
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<th>Second Year</th>
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<td>ECON 104 (^{1})</td>
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<td>Literature Selection (^{1})</td>
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<td>Health and Physical Activity</td>
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<td>EDTHP 115 (Or EDTHP 400- level Selection) (^{1})</td>
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<td>SPLED 403B (^{*})</td>
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<td>SPLED 400 (^{*})</td>
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<td>HIST 400-level Selection (^{*})</td>
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<td>Concentration Selection (^{*})</td>
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<tr>
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<th>Fourth Year</th>
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<th>Spring</th>
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<tr>
<td>SSSE 412W (^{*})</td>
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<td>CI 495E (^{3})</td>
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<td>CI 495C (^{*})</td>
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</table>

Total Credits 130

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3. No additional coursework permitted during student teaching.

**Career Paths**

Our graduates teach in public and private schools in Pennsylvania, elsewhere in the U.S., and around the world. Education is a profession, and all teachers are expected to continue studying and developing new skills throughout their careers. In most U.S. states, teacher certification is a multi-stage process, with graduate study beyond a bachelor’s degree expected early in a teacher’s career. Graduates of this program who work in public schools usually go on to earn a master’s degree. Alumni who wish to continue educational studies at the graduate level through Penn State can do so at University Park and through the University’s World Campus.

**Careers**

In addition to resources like the College’s Advising and Certification Center and Penn State Career Services, the University hosts large education career fairs in both the fall and spring semesters, which bring recruiters to campus from throughout Pennsylvania and the United States.

MORE INFORMATION ABOUT CAREERS (http://studentaffairs.psu.edu/career)

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (http://ed.psu.edu/c-and-i/graduate/degrees)

**Professional Resources**

- Pennsylvania State Education Association (http://www.psea.org/resources-by-profession/student-psea)
- National Council of Teachers of English (NCTE) (http://www2.ncte.org)
- National Council of Teachers of Mathematics (NCTM) (http://www.nctm.org)
- National Council for the Social Studies (NCSS) (http://www.socialstudies.org)
- National Science Teachers Association (NSTA) (http://www.nsta.org)

**Accreditation**

The College of Education educator preparation program is currently NCATE accredited and is seeking accreditation by the Council for the Accreditation of Education Preparation (CAEP) in Spring 2019. CAEP advances excellence in educator preparation through evidence-based...
accreditation that assures quality and supports continuous improvement to strengthen P-12 student learning.

MORE INFORMATION (https://ed.psu.edu/internal/associate-dean-undergrad/accreditation-and-program-review/Accreditation)

**Contact**

**University Park**

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141 Chambers Building  
University Park, PA 16802  
814-865-1500  
rmz101@psu.edu

https://ed.psu.edu/c-and-i/undergrad/secondary-education/contacts

**Erie**

SCHOOL OF SCIENCE  
1 Prischak  
4205 College Drive  
Erie, PA 16563  
814-898-6105  
behrend-science@psu.edu

http://behrend.psu.edu/school-of-science