ENVIRONMENTAL SCIENCE, B.S.

Begin Campus: Any Penn State Campus

End Campus: Erie

Program Description

The B.S. in Environmental Science (ENVSC) employs the principles, processes, and methodologies of the life and physical sciences to develop an integrated understanding of the environment and the effects associated with human use of the Earth's natural resources. Students will work in interdisciplinary teams in a capstone course and in environmental research/internship projects attuned to Great Lakes, water resources, and energy resources issues. Students choosing the Environmental Field Science option will obtain additional strengths in field biology, geographic information systems, and environmental geoscience and field methods. Those choosing the Environmental Lab Science option will obtain additional strengths in analytical chemistry and environmental geochemistry. The curriculum permits additional specialization in allied areas through completion of minors in chemistry, biology, or statistics.

What is Environmental Science?

Environmental science is an interdisciplinary field, meaning that it combines multiple academic studies. Environmental science draws from geology, geography, biology, chemistry, oceanography, limnology, atmospheric science, energy, and many other physical sciences. It also involves non-science areas such as engineering, law, political science, resource management, and environmental education. Study of environmental science prepares students to understand and solve problems at the human-earth interface. Environmental scientists understand environmental processes, analyze and solve environmental problems, and communicate the beneficial and adverse outcomes associated with human use of the Earth's physical and living resources.

You Might Like This Program If...

- You think bugs are beautiful, mud is marvelous, and rocks rock.
- You are interested in examining global environmental issues from multiple perspectives.
- You might like working with environmental data sets to understand how the physical world works.
- You are curious about how the environment affects humans—and about how humans affect their environment, for better and for worse.
- You enjoy theoretical study, hands-on laboratory learning using high-tech equipment, and in-the-dirt outdoor field work.

Entrance to Major

In order to be eligible for entrance to this major, a student must:

1. attain at least a C (2.00) cumulative grade-point average for all courses taken at the University; and
2. have third-semester classification (http://www.registrar.psu.edu/registration/semester_classification.cfm).

READ SENATE POLICY 37-30: ENTRANCE TO AND CHANGES IN MAJOR PROGRAMS OF STUDY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/37-00-entrance-to-a-college-or-major)

Degree Requirements

For the Bachelor of Science degree in Environmental Science, a minimum of 121 credits is required, with at least 15 credits at the 400 level:

<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>0-1</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>102-103</td>
</tr>
</tbody>
</table>

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

27 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.
Common Requirements for the Major (All Options)

- 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. 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). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
This includes 27 credits of General Education courses: 9 credits of GN courses; 6 credits of GQ courses; 6 credits of GS courses; 3 credits of GH courses; 3 credits of GWS courses.

Each student must earn at least a grade of C in each 300- and 400-level prescribed, additional, and supporting course.

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44. For more information, check the Suggested Academic Plan for your intended program.

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 220W</td>
<td>Biology: Populations and Communities</td>
<td>4</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>
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<tr>
<td>CHEM 113</td>
<td>Experimental Chemistry II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>Fundamentals of Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 202C</td>
<td>Effective Writing: Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 160</td>
<td>Mapping Our Changing World</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 161</td>
<td>Applied Geographic Information Systems</td>
<td>1</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 402</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENVSC 400W</td>
<td>Case Studies in Environmental Analysis and Problem-Solving</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Courses: Require a grade of C or better

- BIOL 110 Biology: Basic Concepts and Biodiversity 4
- CHEM 110 Chemical Principles I 3

Additional Courses
Select one of the following:

- CIVCM 211N Foundations: Civic and Community Engagement
- SUST 200 Foundations of Leadership in Sustainability
- PLSC 1 American Politics: Principles, Processes and Powers

Select one of the following:

- SCM 200 Introduction to Statistics for Business
- STAT 200 Elementary Statistics
- STAT 250 Introduction to Biostatistics

Select one of the following:

- EARTH 2 The Earth System and Global Change
- GEOG 10 Physical Geography: An Introduction
- GEOSC 1 Physical Geology

Select one of the following:

- PHIL 103 Introduction to Ethics
- PHIL 119 Ethical Leadership
- PHIL 132 Introduction to Bioethics
- STS 245 Globalization, Technology, and Ethics

Select one of the following:

- ECON 102 Introductory Microeconomic Analysis and Policy
- ECON 104 Introductory Macroeconomic Analysis and Policy
- GEOG 30N Environment and Society in a Changing World
- GEOG 126 Economic Geography

Additional Courses: Require a grade of C or better

Select one of the following sequences:

- PHYS 211 General Physics: Mechanics
- PHYS 212 and General Physics: Electricity and Magnetism

Select 3 credits of the following in consultation with adviser:

- BIOL, ENVSC, GEOG courses

Supporting Courses and Related Areas

Select 3 credits from the Natural & Physical Sciences program list

Requirements for the Option

Environmental Field Science Option (33 credits)

Select an Option

- 33 Credits

Prescribed Courses

- BIOL 435 Ecology of Lakes and Streams 3
- GEOSC 363 Geographic Information Systems 3
- GEOG 303 Introduction to Environmental Geology 3
- GEOSC 452 Hydrogeology 3

Additional Courses

- UNIV 371 Capstone Project 3
### Environmental Lab Science Option (33 credits)

Select one of the following:
- CHEM 301 Environmental Chemistry and Analysis
- EGEE 101 Energy and the Environment
- EGEE 102 Energy Conservation for Environmental Protection
- STS 420 Energy and Modern Society

Select 3 credits of the following:
- Any Biology 400-level field/lab course (requires a grade of C or better)
- CHEM 412 Water Resources Geochemistry
- CHEM 418 Soil Environmental Chemistry

#### Supporting Courses and Related Areas

Select 12 credits from the Natural & Physical Sciences and/or the Social Sciences, Arts & Humanities program lists with not more than 6 credits from the latter list.

1. A maximum of 9 credits of Thesis Research (GEOSC 494M), GEOSC 495, or GEOSC 496 may be applied toward credits for graduation in all options.

2. Students may apply 6 credits of basic ROTC.

### Environmental Lab Science Option (33 credits)

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MICRB 201</td>
<td>Introductory Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MICRB 202</td>
<td>Introductory Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 203</td>
<td>Fundamentals of Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 227</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 301</td>
<td>Environmental Chemistry and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Additional Courses

Select one of the following:
- GEOSC 412 Water Resources Geochemistry
- GEOSC 418 Soil Environmental Chemistry
- GEOSC 419 The Organic Geochemistry of Natural Waters and Sediments

Select one of the following:
- GEOSC 451 Natural Resources: Origins, Economics and Environmental Impact
- GEOSC 452 Hydrogeology
- STS 420 Energy and Modern Society

### Program Learning Objectives

The learning objectives of the Environmental Science program are to produce graduates who:

1. are proficient in the communication of results of field, lab, or literature based research in both oral and written formats, in both solo and team settings.
2. can demonstrate possession of the science skills and quantitative competency necessary to understand, interpret, and analyze data from across the interdisciplinary environmental science spectrum.
3. have proficiency in major concepts and methods in environmental science that are typically required of entry-level scientists in the workforce.
4. have demonstrated undergraduate-level research skills; project and experimental design skills.
5. can demonstrate skills in field/lab data collection, analysis, and synthesis; in utilizing the inter-disciplinary research literature to analyze and synthesize issues in environmental science; and in undergraduate-level grant-writing.
6. can demonstrate possession and application of higher-level learning skills in critical thinking and problem-solving as applied to environmental science.

### 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)

### Suggested Academic Plan

#### Environmental Field Science Option at Erie Campus

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>
<tbody>
<tr>
<td>BIOL 110S*</td>
<td>4</td>
<td>CAS 100†</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 110†</td>
<td>3</td>
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<td>CHEM 111</td>
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<td>CHEM 113</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 15 or 30†</td>
<td>3</td>
<td>MATH 140†</td>
<td>4</td>
</tr>
<tr>
<td>Course Selection (N and PS List) or Course Selection (SSA and H List)*</td>
<td>3</td>
<td>General Education Course (GH Selection)</td>
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<td>PSU 7</td>
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<td>General Education Course (GH)</td>
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<td><strong>15</strong></td>
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</table>

### Second Year

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<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 10 (or GEOSC 1 or GEOSC 20 or EARTH 2)*</td>
<td>3</td>
<td>CHEM 202++</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 220W*</td>
<td>4</td>
<td>PHIL 103 (or PHIL 119 or PHIL 132 or STS 245)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141*</td>
<td>4</td>
<td>ENVSC 200, SUST 200, 211, or PLSC 1†</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 160†</td>
<td>3</td>
<td>STAT 200 or STAT 250 or SCM 200</td>
<td>3-4</td>
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<td>GEOG 161†</td>
<td>1</td>
<td>GEOG 363†</td>
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<td><strong>15</strong></td>
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### Third Year

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<th>Credits</th>
<th>Spring</th>
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<tr>
<td>PHYS 211 or 250*</td>
<td>4</td>
<td>BIOL 402*</td>
<td>3</td>
</tr>
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<td>GEOC 303*</td>
<td>3</td>
<td>ENGL 202C††</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 301 or STS 420 (or Egee 101 (MATSE 101) or Egee 102)</td>
<td>3</td>
<td>PHYS 212 or 251*</td>
<td>4</td>
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<tr>
<td>Course Selection (N and PS List) or Course Selection (SSA and H List)*</td>
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<td>Course Selection (N and PS List)*</td>
<td>3</td>
</tr>
<tr>
<td>General Education Course (GA Selection)†</td>
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<td>General Education Course (GH)</td>
<td>1.5</td>
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<tr>
<td><strong>Total Credits</strong></td>
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### Fourth Year

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<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL/GEOSC/ENVSC 494 or 495*</td>
<td>3</td>
<td>GEOSC 451 or 454†</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 435*</td>
<td>3</td>
<td>ENVSC 400W†</td>
<td>3</td>
</tr>
<tr>
<td>GEOSC 412 (GEOSC 418 (SOIL 419) or 400-level BIOL Course)*</td>
<td>3</td>
<td>General Education Course (GA Selection)*</td>
<td>3</td>
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<tr>
<td>GEOSC 452*</td>
<td>3</td>
<td>GEOG 126 or 30N (or ECON 102 or ECON 104†)</td>
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<td>Course Selection (N and PS List)*</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></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

### 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.

### Program Notes:

1.) Students who have not met the admission requirement of two units of a high school world language must complete a college level-one world language within their first 60 credits.

2.) Not all courses will be offered every year at Penn State Behrend, but a sufficient number of courses will be offered that will allow students to complete their chosen option.

3.) ENVSC 400W is the capstone course and is to be team-taught by 2-3 faculty members.

### Natural & Physical Sciences List (N and PS)

- BIOL 200-level or higher
- CHEM 200-level or higher
- CMPSC 100-level or higher
- EARTH 100, EARTH 103, EARTH 105, EARTH 111, EARTH 202, EARTH 204
- Egee 100-level or higher
- ENVE 300-level or higher
- ENVSC 494, ENVSC 495
- ENVSE 400-level
- ENVST 200, ENVST 299
- GEOG 313, GEOG 362, GEOG 430, GEOG 431, GEOG 432, GEOG 463, GEOG 469
- GEOSC 1, GEOSC 40, GEOSC 71, GEOSC 200-level or higher
- GEOSC 497A
- MATH 200-level or higher
- MICRB 200-level or higher
- MATH 300-level or higher
- STA 201, STA 202
- WFS 400-level or higher

### Social Sciences, Arts & Humanities List (SSA and H)

- COMM 160, COMM 315, COMM 409
- ECON 428
- ENGL 180, ENGL 424
- ENVST 100
- GEOG 30, GEOG 126
- LARCH 60
- PHIL 403
Environmental Lab Science Option at Erie Campus

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<tr>
<th>Course Selection (N and PS List) or Course Selection (SSA and H List)</th>
<th>Credits</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 110S*</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 110†</td>
<td>3</td>
<td>CHEM 112†</td>
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<td>CHEM 111†</td>
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<td>CHEM 113†</td>
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<tr>
<td>ENGL 15 or 30†</td>
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<td>MATH 140†</td>
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<td>General Education Course (GH Selection)†</td>
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### Second Year

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</tr>
</thead>
<tbody>
<tr>
<td>GEOG 10 or GEOSC 1 (or EARTH 2 or GEOSC 20)*</td>
<td>3</td>
<td>CHEM 202†</td>
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<tr>
<td>MICRB 201*</td>
<td>3</td>
<td>STAT 200 or 250 (or SCM 200)</td>
</tr>
<tr>
<td>MICRB 202*</td>
<td>2</td>
<td>ENVSC 200, SUST 200, 211, or PLSC 1</td>
</tr>
<tr>
<td>MATH 141*</td>
<td>4</td>
<td>CAS 100†</td>
</tr>
<tr>
<td>GEOG 160*</td>
<td>3</td>
<td>General Education Course (GA Selection)†</td>
</tr>
<tr>
<td>GEOG 161*</td>
<td></td>
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### Third Year

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<tbody>
<tr>
<td>CHEM 203†</td>
<td>3</td>
<td>PHIL 103 or 119 (or PHIL 132 or STS 245)</td>
</tr>
<tr>
<td>PHYS 211 or 250†</td>
<td>4</td>
<td>BIOL 402†</td>
</tr>
<tr>
<td>CHEM 227†</td>
<td>4</td>
<td>ENGL 202C†</td>
</tr>
<tr>
<td>General Education Course (GA Selection)†</td>
<td>3</td>
<td>PHYS 212 or 251†</td>
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<tr>
<td>Course Selection (N and PS List) or Course Selection (SSA and H List)</td>
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<td>General Education Course (GH Selection)†</td>
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### Fourth Year

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<tbody>
<tr>
<td>BIOL/CHM/GEOSC/ENVSC 494 or 495†</td>
<td>3</td>
<td>ENVSC 400W†</td>
</tr>
<tr>
<td>CHEM 301†</td>
<td>3</td>
<td>GEOSC 451 or 452 (or STS 420)†</td>
</tr>
<tr>
<td>GEOSC 412 or 418 (or GEOSC 419)†</td>
<td>3</td>
<td>GEOG 30N or 126 (or ECON 102 or ECON 104)†</td>
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<td>Course Selection (N and PS List) or Course Selection (SSA and H List)</td>
<td>3</td>
<td>General Education Course (GHW)†</td>
</tr>
<tr>
<td>400-level Science Course Selection (N and PS List)†‡</td>
<td>3</td>
<td>General Education Course (GHW)†</td>
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<tr>
<td></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits 121-122

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‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement

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3. ENVSC 400W is the capstone course and is to be team-taught by 2-3 faculty members.

### Natural & Physical Sciences List (N and PS)

- BIOL 200-level or higher
- CHEM 200-level or higher
- CMPSC 100-level or higher
- EARTH 100, EARTH 103, EARTH 105, EARTH 111, EARTH 202, EARTH 204
- EGEE 100-level or higher
- ENVE 300-level or higher
- ENVSC 494, ENVSC 495
- ENVSE 400-level
- ENVS 200, ENVS 299
- GEOG 313, GEOG 362, GEOG 430, GEOG 431, GEOG 432, GEOG 463, GEOG 469
- GEOSC 1, GEOSC 40, GEOSC 71, GEOSC 200-level or higher
- GEOSC 497A
- MATH 200-level or higher
- MICRB 200-level or higher
- SOILS 101 or higher
- STAT 300-level or higher
Environmental Science, B.S.

STS 201, STS 420
WFS 400-level or higher

Social Sciences, Arts & Humanities List (SSA and H)
COMM 160, COMM 315, COMM 409
ECON 428
ENGL 180, ENGL 424
ENVS 100
GEOG 30, GEOG 126
LARCH 60
PHIL 403
PLSC 2, PLSC 14, PLSC 22, PLSC 135, PLSC 299, PLSC 419,
PLSC 482, PLSC 487, PLSC 489, PLSC 499
PSYCH 301W
STS 245
Any 1, 2, 3 World Language

Career Paths
The study of environmental science leads to a wide variety of careers. Penn State Behrend offers two options to help you tailor your degree to your interests. The Environmental Field Studies Option has a concentration in field biology, geographic information systems, and environmental geoscience, while the Environmental Lab Science Option emphasizes analytical chemistry and geochemistry. Penn State Behrend has a comprehensive support system to help you identify and achieve your goals for college and beyond. Meet with your academic adviser often and take advantage of the services offered by the Academic and Career Planning Center beginning in your first semester.

Careers
State and federal agencies, nonprofits, and corporations are looking for environmental scientists. The U.S. Bureau of Labor Statistics predicts that over the next twenty years the number of jobs for environmental scientists will grow faster than the average for all occupations. This increase will be driven by population growth and the concurrent need for water, energy, and mineral resources. A recent survey of undergraduate institutions showed that environmental science students typically are prepared for careers in many parts of the economy, including government agencies; nonprofit, advocacy, and nongovernmental organizations; consulting; education; industry; and resource management and conservation.

MORE INFORMATION (http://behrend.psu.edu/school-of-science/academic-programs/environmental-science)

Opportunities for Graduate Studies
A graduate degree allows you to take your environmental science education in a targeted direction. Advanced-degree disciplines commonly pursued by environmental science majors include environmental engineering, resource management, environmental science and policy, public health, atmospheric science, oceanography, and sustainability.

MORE INFORMATION (http://behrend.psu.edu/school-of-science/academic-programs/environmental-science)

Professional Resources
- American Geophysical Union (http://agu.org)
- Association of Environmental and Engineering Geologists (http://aegweb.org)
- Soil and Water Conservation Society (http://www.swcs.org)
- American Association of Geographers (http://www.aag.org)

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