

# ENVIRONMENTAL STUDIES, B.S.

**Begin Campus:** Any Penn State Campus

**End Campus:** Altoona

## Degree Requirements

For the Bachelor of Science degree in Environmental Studies, a minimum of 121 credits is required:

Requirement	Credits
General Education	45
Electives	12
Requirements for the Major	88-90

24 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 3 credits of GH courses; 9 credits of GN courses; 6 credits of GQ courses; 6 credits of GS courses.

### Requirements for the Major

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 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
BIOL 110	Biology: Basic Concepts and Biodiversity	4
BIOL 220W	Biology: Populations and Communities	4
CHEM 20	Environmental Chemistry	3
CHEM 21	Environmental Chemistry Laboratory	1
CHEM 110	Chemical Principles I	3
CHEM 111	Experimental Chemistry I	1
CHEM 202	Fundamentals of Organic Chemistry I	3
ECON 428	Environmental Economics	3
ENGL 180	Literature and the Natural World	3
ENVST 100N	Visions of Nature	3
ENVST 200	Research Methods in Environmental Studies	3
ENVST 400W	Senior Seminar in Environmental Studies	3
GEOG 115	Landforms of the World	3
GEOG 160	Mapping Our Changing World	3
GEOSC 1	Physical Geology	3
HIST 453	American Environmental History	3
PHIL 403	Seminar in Environmental Ethics	3
PHYS 250	Introductory Physics I	4
SOILS 101	Introductory Soil Science	3
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
ECON 102 or ECON 104	Introductory Microeconomic Analysis and Policy	3
MATH 110	Techniques of Calculus I	4

or MATH 140	Calculus With Analytic Geometry I	
PLSC 235 or PLSC 425	Environmental Politics Government and Politics of the American States	3
STAT 200 or STAT 250	Elementary Statistics Introduction to Biostatistics	3-4
Select one of the following:		3-4
BIOL 222	Genetics	
BIOL 230W	Biology: Molecules and Cells	
BIOL 240W	Biology: Function and Development of Organisms	
Select one of the following:		4
ENVST 296 & ENVST 496	Independent Studies and Independent Studies	
ENVST 395 & INTSP 370	Internship and Internship Preparation	
ENVST 496	Independent Studies	

### Supporting Courses and Related Areas

Select 12 credits (at least 9 credits at the 400-level) from the three departmental lists, in consultation with an academic adviser.

a. Natural Sciences	6
b. Social Sciences	3
c. Arts and Humanities	3

### 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 (<https://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 and Inter-Domain courses do not meet this requirement.)

- **Quantification (GQ):** 6 credits
- **Writing and Speaking (GWS):** 9 credits

### Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

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

### Integrative Studies

- **Inter-Domain Courses (Inter-Domain):** 6 credits

### Exploration

- **GN**, may be completed with Inter-Domain courses: 3 credits
- **GA, GH, GN, GS, Inter-Domain courses.** This may include 3 credits of World Language course work beyond the 12th credit level or the

requirements for the student's degree program, whichever is higher: 6 credits

## **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. 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 (<https://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.