Environmental education is a combination of many disciplines that enables people to become more knowledgeable about the environment and/or skilled in some aspect of environmental quality. Environmental educators teach grades K-12 about issues such as climate change, conservation and the effects of pollution.

Environmental Education majors at Pitt-Bradford take courses in Environmental Biology, Chemistry of the Environment, Geology, Geography, Economics, Education Methods, Education Law, Educational Psychology and Content Curriculum. Environmental Education majors receive hands-on training by observing classrooms, hosting elementary school children at events on campus, and student teaching.

**REQUIRED SKILLS**

- Teaching
- Scientific Research
- Writing and Presenting
- Decision Making
- Organization
- Flexibility
- Team Player
- Creativity

**POSSIBLE EMPLOYERS**

- School Systems
- Natural History Museum
- Non-Profit Organizations
- Industries
- Environmental Consulting Firms
- Colleges or Universities
- Media Department
- Parks and Recreation Department

**EMPLOYMENT OPPORTUNITIES**

Teacher  
School Administrator  
College or University Professor  
Environmental Writer  
Tutor  
Adult Education Teacher  
Research Analyst  
Marketing Consultant  
Corporate Consultant  
Director of Environmental Education  
Education Outreach Coordinator  
Exhibit Designer  
Senior Teacher-Naturalist  
Camp Manager  
Outdoor Skills Coordinator  
Field Studies Manager  
Education Program Specialist  
Outreach Education Programs Supervisor  
Interpretive Park Ranger  
Executive Director  
Environmental Communications Specialist

*Some careers will require advanced training, certification and/or education*
The Environmental Education major consists of a 130 credit curriculum leading to a Bachelor of Science degree. Consistent with the overall mission of the University of Pittsburgh at Bradford, the Environmental Education major includes a liberal arts core curriculum, much of which is taken during the first two years of study.

**COURSE REQUIREMENTS IN THE MAJOR**

<table>
<thead>
<tr>
<th>BIOL 0118/0119</th>
<th>Ecology &amp; Environmental Biology w/lab</th>
<th>Approved Upper Level Environmental Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 0106/0107</td>
<td>Chemistry of the Environment w/Lab</td>
<td>Approved Upper Level Environmental Elective</td>
</tr>
<tr>
<td>ECON 0102</td>
<td>Microeconomics</td>
<td>EDUC 0204  Introduction to Education</td>
</tr>
<tr>
<td>ENVSTD 0101</td>
<td>Introduction to Environmental Studies</td>
<td>EDUC 0215 English Language Learners</td>
</tr>
<tr>
<td>ES 0105</td>
<td>Environmental Geology with Lab</td>
<td>EDUC 0220 Special Law</td>
</tr>
<tr>
<td>PS 0204</td>
<td>Public Policy</td>
<td>EDUC 1301 Instructional Technology</td>
</tr>
<tr>
<td>PS 0209</td>
<td>Environmental Politics</td>
<td>EDUC 1307 Secondary Methods</td>
</tr>
<tr>
<td>GEOG 0210</td>
<td>Physical Geography</td>
<td>EDUC 1325 Development of Exceptional Children</td>
</tr>
<tr>
<td>PET 0105</td>
<td>Introduction to Geographic Information</td>
<td>EDUC 1330 Educating Exceptional Children</td>
</tr>
<tr>
<td>MATH 0133</td>
<td>Statistics</td>
<td>EDUC 1334 Literacies Across the Middle &amp; Secondary Curriculum</td>
</tr>
<tr>
<td>PHIL 1445</td>
<td>Environmental Ethics</td>
<td>EDUC 1350 Educational Psychology and Measurement</td>
</tr>
<tr>
<td>ECON 1307</td>
<td>Economics of Energy &amp; the Environment</td>
<td>EDUC 1481 Student Teaching</td>
</tr>
<tr>
<td>GEOL 1320</td>
<td>Geographic Information Systems</td>
<td>EDUC 0210 Education Practicum 1</td>
</tr>
<tr>
<td>ENVSTD 1451</td>
<td>Capstone/Upper-Level Writing</td>
<td>EDUC 1310 Education Practicum 2</td>
</tr>
</tbody>
</table>

Students need to formally apply to be admitted to the teacher certification program after completing 60 credits. Requirements for admission include successfully passing the appropriate PAPA Modules, maintaining a 3.0 overall GPA and receiving no lower than a C- in any course. Three letters of recommendation as well as a Career Goals Statement are part of the application process. Admission to the program does not guarantee certification but the program is designed to help teacher candidates meet the Pennsylvania Department of Education teacher certification requirements.

**PROFESSIONAL ORGANIZATIONS**

- North American Association for Environmental Education [www.naaee.org](http://www.naaee.org)
- The Association for Science Teacher Education [www.theaste.org/memberresources/EE.htm](http://www.theaste.org/memberresources/EE.htm)
- Environmental Education and Training Partnership (EETAP) [www.eetap.org](http://www.eetap.org)
- Ecological Society of America (ESA) [www.esa.org](http://www.esa.org)
- Pennsylvania Association of Environmental Educators [www.paee.net](http://www.paee.net)

**FIND OUT MORE ABOUT CAREERS IN ENVIRONMENTAL EDUCATION AT:**

- EnviroEducation.com [www.enviroeducation.com/careers-jobs](http://www.enviroeducation.com/careers-jobs)
- Teacher Education Website [websites.pdesas.org/jar1/default.aspx](http://websites.pdesas.org/jar1/default.aspx)
- Occupational Outlook [www.bls.gov/oco/ocos066.htm](http://www.bls.gov/oco/ocos066.htm)
- Career Services [www.upb.pitt.edu/career.aspx](http://www.upb.pitt.edu/career.aspx)