Environmental Science

Interdisciplinary Minor

The minor in environmental science enables students to receive a broad background both in the sciences and in the application of scientific principles to environmental problems.

Minor in Environmental Science

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<th>Requirements</th>
<th>Hours</th>
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<td><strong>Required Courses</strong></td>
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<tr>
<td>BY 108 Human Population and the Earth's Environment &amp; BY 109 and Laboratory in Environmental Science</td>
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<tr>
<td>BY 123 Introductory Biology I</td>
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<tr>
<td>BY 124 Introductory Biology II</td>
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<tr>
<td>CH 115 General Chemistry I &amp; CH 116 and General Chemistry I Laboratory</td>
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<tr>
<td>ES 101 Physical Geology &amp; ES 102 and Physical Geology Laboratory</td>
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**Biology Electives**

Select three courses from the following groups: 9

- **Biology**
  - BY 201 Climate Change and the Environment
  - BY 260 Botany
  - BY 397 Advanced Directed Readings
  - BY 267 Tropical Ecology
  - BY 435 Natural History of Vertebrates
  - BY 470 Ecology

- **Civil Engineering**
  - CE 433 Solid and Hazardous Wastes Management
  - CE 434 Air Quality Modeling and Monitoring

- **Chemistry**
  - CH 297 Undergraduate Research Experiences
  - CH 355 Quantitative Analysis

- **Marine Environmental Science**
  - MESC 302 Coastal Zone Management
  - MESC 411 Costal Wetlands Ecology
  - MESC 412 Marine Ecology

**Total Hours** 29

1 Note: All of these courses may also satisfy the Core Curriculum Area III: Natural Sciences requirement; check the Core Curriculum for your particular major.

**Grade Requirement**

All courses applied to this minor must be completed with a grade of C or better.

Courses

**ENV 108. Human Population and the Earth's Environment. 3 Hours.**
Influence of human population on Earth's environment. Specific attention will be paid to environmental issues such as population growth, climate change, water and energy resources, pollution, waste disposal, plant and animal extinctions, and food resources. Strong emphasis will be placed on determining solution to the variety of environmental problems facing the earth. Lecture and film. Ethics and Civic Responsibility are significant components of this course. This course, when taken with its corresponding laboratory, meets the Core Curriculum requirements for Area III: Natural Sciences.

**ENV 109. Laboratory in Environmental Science. 1 Hour.**
Experiments on topics essential to study of environment and which reveal complexity of solving environmental problems. Writing, Ethics and Civic Responsibility are significant components of this course.

**Prerequisites:** ENV 108 [Min Grade: D](Can be taken Concurrently) or BY 108 [Min Grade: D](Can be taken Concurrently)