ENVIRONMENTAL SCIENCE, MINOR

Students pursuing degrees in biology, biochemistry, sustainability studies, or any other discipline may take a minor sequence of courses in Environmental Science in order to prepare for a career or explore an interest in addressing the relationship between humans and the environment. The minor is appropriate for individuals who wish to enhance their career prospects in government agencies, environmental law, non-profit organizations, or environmental consulting.

Standards

Students must complete all courses counted towards the Environmental Science minor with a grade of C- or higher, and a cumulative GPA of 2.0.

Advising

Because requirements for the Environmental Science minor differ based on major, students should consult with an advisor to determine the best course path.

Requirements

All students begin with introductory PHSC 105 INTRODUCTION TO ENVIRONMENTAL SCIENCE which can be taken as early as the first semester with no prerequisites. All students end with the capstone course, 3 credit hours of independent research, or 3 credit hours of discipline-related internship. At least one course taken must be a lab course. Independent research may fulfill this requirement.

Students who have transferred eligible courses from another institution may earn a minor in Environmental Science by completing at least three additional courses totaling at least 9 credit hours at Roosevelt University, and at least five eligible courses and 15 credit hours overall.

Students must take at least one course from 3 of the following 4 subject areas (biology, environmental chemistry, physical science and quantitative methods).

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>PHSC 105</td>
<td>INTRODUCTION TO ENVIRONMENTAL SCIENCE</td>
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Biology

Select one of the following:

- BIOL 112 ENVIRONMENTAL BIOLOGY
- BIOL 202 ECOLOGY, EVOLUTION, AND GENETICS
- BIOL 315 ECOLOGY
- BIOL 323 TROPICAL MARINE BIOLOGY
- BIOL 324 MARINE BIOLOGY
- BIOL 332 ECOLOGY OF TALLGRASS PRAIRIE
- SUST 330 BIODIVERSITY

Environmental Chemistry

Select one of the following:

- CHEM 201 GENERAL CHEMISTRY I
- CHEM 202 GENERAL CHEMISTRY II
- CHEM 210 SURVEY OF ORGANIC CHEMISTRY
- CHEM 211 ORGANIC CHEMISTRY I

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<thead>
<tr>
<th>Physical Science Subject Area</th>
<th>Credit Hours</th>
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<tr>
<td>PHSC 103 GLOBAL CLIMATE CHANGE</td>
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<tr>
<td>PHSC 104 SEVERE AND UNUSUAL WEATHER</td>
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<td>SUST 330 BIODIVERSITY</td>
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Quantitative Methods

Select one of the following:

- BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION
- BIOL 318 BIOSTATISTICS
- SUST 220 WATER
- MATH 217 ELEMENTARY STATISTICS

Capstone Course

Determined with advisor may include the following:

- BIOL 314 QUANTITATIVE ECOLOGY AND CONSERVATION
- BIOL 369 CONSERVATION BIOLOGY: AFRICA
- SUST 395 SUSTAINABILITY STUDIES INTERNSHIP
- CHEM 336 ANALYTICAL CHEMISTRY

Total Credit Hours 18-20

Regulations

- Students who have transferred three or more equivalent courses may earn a minor in environmental science by completing at least two additional required courses at Roosevelt University.
- Courses used to satisfy a supporting sequence can be applied to a minor, but no course can be applied to simultaneously satisfy requirements of a major and a minor.
- No course can be used to simultaneously satisfy requirements of two minors.