# ENVIRONMENTAL SCIENCES B.S.

All students must meet the University Requirements.

All students must meet the College Requirements.

## MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHEM 042</td>
<td>Intro Organic Chemistry</td>
<td>4</td>
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<tr>
<td>or CHEM 141</td>
<td>Organic Chemistry 1</td>
<td></td>
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<tr>
<td>or CHEM 143</td>
<td>Organic Chemistry for Majors 1</td>
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<tr>
<td>GEOL 055</td>
<td>Environmental Geology</td>
<td>4</td>
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<tr>
<td>or PSS 161</td>
<td>SU: Fundamentals of Soil Science</td>
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<tr>
<td>STAT 141</td>
<td>QR: Basic Statistical Methods 1</td>
<td>3-4</td>
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<tr>
<td>or STAT 211</td>
<td>QR: Statistical Methods I</td>
<td></td>
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<tr>
<td>or NR 140</td>
<td>Applied Environ Statistics</td>
<td></td>
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<tr>
<td>ENSC 001</td>
<td>SU: Intro Environmental Sci</td>
<td>3</td>
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<tr>
<td>ENSC 130</td>
<td>Global Environmental Assessmnt</td>
<td>3</td>
</tr>
<tr>
<td>ENSC 160</td>
<td>Pollutant Mvmt/Air, Land&amp;Water</td>
<td>4</td>
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Choose one of the following:

- BCOR 102 SU: Ecology and Evolution 3
- CHEM 142 Organic Chemistry 2
- CHEM 144 Organic Chemistry for Majors 2 4
- GEOL 110 SU: Earth Materials 2
- BCOR 011 & BCOR 012 Exploring Biology and Exploring Biology
- CHEM 031 & CHEM 032 General Chemistry 1 and General Chemistry 2

Choose one of the following sequences:

- MATH 019 & MATH 020 QR: Fundamentals of Calculus I and QR: Fundamentals of Calculus II
- MATH 021 & MATH 022 QR: Calculus I and QR: Calculus II

Choose one of the following sequences (physics is required only for the Environmental Chemistry Focus Track):

- PHYS 011 & PHYS 012 Elementary Physics and Elementary Physics
- PHYS 051 & PHYS 052 Fundamentals of Physics I and Fundamentals of Physics II

Fourteen to seventeen credits of advanced course work, chosen in consultation with the student’s advisor, in one of the following Focus Tracks:

1. Conservation Biology and Biodiversity
2. Ecological Design
3. Environmental Analysis and Assessment
4. Environmental Biology
5. Environmental Chemistry
6. Environmental Geology
7. Global Environmental and Climate Change
8. Water Resources

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1. CHEM 141 or CHEM 143 required for Environmental Biology and Environmental Chemistry Focus Tracks.
2. GEOL 055 and GEOL 110 required for Environmental Geology Focus Track.
3. BCOR 102 required for Environmental Biology Focus Track.
4. CHEM 144 required for Environmental Chemistry Focus Track.
5. Up-to-date course requirements for each Focus Track are available from a student’s advisor or the dean’s office; students may elect to petition to develop a Self-Design track.

College of Arts and Sciences students majoring in the B.S. program in environmental sciences are required to take at least eighty-four credits of course work in the College of Arts and Sciences.