Environmental Sciences B.S.

Lower Division Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
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<tbody>
<tr>
<td>MATH 11A (FWS)</td>
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<tr>
<td>MATH 19A (FWS)</td>
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<tr>
<td>CHEM 1A (FWS)</td>
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<tr>
<td>PHYS 6A/L (FWS)</td>
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<tr>
<td>EART 20/L Environmental Geology &amp; Laboratory (S)</td>
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<tr>
<td>ESCI 100A: Introduction to Environmental Sciences (F)</td>
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<td>ESCI 160: Data Analysis in the Environmental Sciences (S)</td>
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Upper Division Requirements

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<tr>
<th>Course</th>
<th>Semester</th>
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<tbody>
<tr>
<td>ESCI 30 Biological Principles of Environmental Sciences (W)</td>
<td></td>
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<tr>
<td>ENVS 25 Environmental Policy and Economics (W,SU)</td>
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</tbody>
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EARTH SCIENCE RECOMMENDED COURSE LIST

- EART 102 Marine Geology (W)
- EART 104 Geologic Hazards (FS)
- EART 105 Coastal Geology (W)
- EART 116 Hydrology (S)
- EART 121 The Atmosphere (S)
- EART 124 Modeling Earth’s Climate (S)
- EART 125 Statistics and Data Analysis in the Geosciences (W)
- EART 127 Measuring Earth’s 4.5 Billion-Year History (*)
- EART 128 Isotopes (*)
- EART 135L Practical Geochemistry (*)
- EART 142 Engineering Geology for Environmental Scientists (S)
- EART 146 Ground Water (*)
- EART 148 Glaciology (*)
- EART 172 Geophysical Fluid Dynamics (F)

OCEAN SCIENCE RECOMMENDED COURSE LIST

- OCEA 100 Physical Oceanography (W)
- OCEA 101 The Marine Environment (F)
- OCEA 102 Oceans and Climate: Past, Present, and Future (*)
- OCEA 111 Climate Dynamics (F)
- OCEA 118 Marine Microbial Ecology (FS)
- OCEA 120 Aquatic Chemistry: Principles and Applications (S)
- OCEA 121 Aqueous Geochemistry (W)
- OCEA 122 Chemical Oceanography (*)
- OCEA 124 Aquatic Organic Geochemistry (*)
- OCEA 130 Biological Oceanography (F)

Upper Division Electives:
At least five elective courses (5+ credits each) from upper-division Earth sciences or Ocean sciences offerings must be completed. Students planning a professional career in environmental sciences should take more than the minimum number of courses required for the major if possible. Courses from other departments may also be considered for upper-division elective credit by permission of a faculty adviser. Please consult with an adviser for more details.

Disciplinary Communication (DC) Requirement:
Students fulfill the Disciplinary Communication general education requirement through successful completion of the Senior Comprehensive.