Environmental Science Major – Bachelor of Arts (B.A.) Degree

The interdisciplinary B.A. in Environmental Science requires year-long core classes in Geography, Biology, and Chemistry, in addition to one statistics class and eight elective classes.

1. University Common Curriculum (48 quarter hours)
   - First Year Seminar: 4 qtr hrs
   - First Year Writing and Rhetoric: 8 qtr hrs
   - Foreign Language: 12 qtr hrs
   - Analytical Inquiry-Natural/Physical World (MATH 1200 or 1951): 4 qtr hrs
   - Analytical Inquiry-Society and Culture: 8 qtr hrs
   - Scientific Inquiry-Society and Culture: 8 qtr hrs
   - Advanced Seminar: 4 qtr hrs

2. Environmental Science Core (43 quarter hours)
   - GEOG 1201, 1202, 1203: Environmental Systems: 12 qtr hrs
   - BIOL 1011/1021: Evolution Heredity & Biodiversity (+lab): 5 qtr hrs
   - BIOL 1010/1020: Physiological Systems (+lab): 5 qtr hrs
   - BIOL 2010/2011: General Ecology (+lab): 5 qtr hrs
   - CHEM 1010/1240: General Chemistry I (+ lab): 4 qtr hrs
   - CHEM 1020/1250: General Chemistry II (+lab): 4 qtr hrs
   - CHEM 2240: Introduction to Environmental Chemistry: 4 qtr hrs
   - Statistics (GEOG 2000, BIOL 2090, or PSYC 2300): 4 qtr hrs
   - GEOG 2990: Prof. Development for Envi Sci Majors (Seniors only): 0 qtr hrs

3. Environmental Science Electives (32+ quarter hours). A minimum of 32 quarter hours from the following list of courses, including at least 8 hours in BIOL AND 8 hours in GEOG, GEOL, or ENVI. Other BIOL, GEOG, GEOL, ENVI classes not listed here may count for elective credit. No more than 5 quarter hours taken as Independent Study or Independent Research will be counted toward the minimum hours required in the major.

   - BIOL 2510 General Genetics
   - BIOL 3030 Alpine Ecology
   - BIOL 3035 Invasive Species Ecology
   - BIOL 3044 Coral Reef Ecology
   - GEOG 2020 Computer Assisted Cartography #
   - GEOG 2100 Introduction to GIS #
   - GEOG 2401 The Human Population *
   - GEOG 2410 Economic Geography *
   - GEOG 2420 Geography of Tourism *
   - GEOG 2500 Sustainability and Human Society #
   - GEOG 2550 Current Issues in Sustainability #
   - GEOG 2700 Contemporary Environmental Issues #
   - GEOG 3000 Advanced Geographic Statistics #
   - GEOG 3010 Geographic Information Analysis #
   - GEOG 3100 Geospatial Data *
   - GEOG 3130 Advanced GIS #
   - GEOG 3140 GIS Database Design #
   - GEOG 3200 Remote Sensing #
   - GEOG 3230 Advanced Remote Sensing *
   - GEOG 3310 Cult/Nature/Econ/Human Ecology #
   - GEOG 3400 Urban Landscapes #
   - GEOG 3410 Urban Applications of GIS *
   - BIOG 3055 Ecology of the Rockies
   - BIOG 3095 Global Change Ecology
   - BIOG 3700 Advanced Topics in Ecology
   - BIOG 3707 Topics in Conservation Biology
   - GEOG 3420 Urban & Regional Planning #
   - GEOG 3425 Urban Sustainability *
   - GEOG 3440 Urban Transportation Planning *
   - GEOG 3445 Sustainability and Transportation *
   - GEOG 3500 Reconstructing Quaternary Environments *
   - GEOG 3510 Biogeography *
   - GEOG 3520 Geography of Soils *
   - GEOG 3560 Fluvial Geomorphology *
   - GEOG 3600 Meteorology *
   - GEOG 3610 Climatology *
   - GEOG 3630 Dendroclimatology *
   - GEOG 3720 Mountain Environments and Sustainability *
   - GEOG 3755 Geographies of Health *
   - GEOG 3800 Geography of Colorado *
   - GEOG 3870 Water Resources and Sustainability *
   - GEOG 3890 Ecological Economics *
   - GEOG 3940 Urban Geography Seminar +
   - GEOG 3955 pollen Analysis Seminar *

# = offered every year    * = offered every other year    + = offered occasionally

Over for GEOL, ENVI, and CHEM elective classes

Revised October 2018
### Minor
Completion of at least 20-quarter hours in a minor field of study. (NOTE: Because of the 60-hour rule it may be impossible to minor in Geography, Geology, GISci, or Sustainability)

### Minimum total quarter hours for degree
183 (75 hours must be upper-level: 2000 or 3000).

### Suggested Academic Plan (Environmental Science Core Requirements are bolded)

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<thead>
<tr>
<th>Year 1: Fall Quarter</th>
<th>Year 1: Winter Quarter</th>
<th>Year 1: Spring Quarter</th>
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<tbody>
<tr>
<td>Environmental Systems I</td>
<td>Environmental Systems II</td>
<td>Environmental Systems III</td>
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<td>First Year Seminar (FSEM)</td>
<td>First Year Writing/Rhetoric (WRIT)</td>
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<td>Common Curriculum Class</td>
<td>Foreign Language 2</td>
<td>Foreign Language 3</td>
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<tr>
<td>Foreign Language 1</td>
<td><strong>Evolution Heredity &amp; Biodiversity</strong></td>
<td><strong>Physiological Systems</strong></td>
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<th>Year 2: Fall Quarter</th>
<th>Year 2: Winter Quarter</th>
<th>Year 2: Spring Quarter</th>
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<tbody>
<tr>
<td><strong>General Ecology</strong></td>
<td>Common Curriculum Class</td>
<td>Common Curriculum Class</td>
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<tr>
<td><strong>General Chemistry I</strong></td>
<td><strong>General Chemistry II</strong></td>
<td><strong>Environmental Chemistry</strong></td>
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<td>Major course</td>
<td>Major course or MATH</td>
<td>Statistics</td>
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<tr>
<td>Common Curriculum Class</td>
<td>Common Curriculum Class</td>
<td>Major course or MATH</td>
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<th>Year 3: Fall Quarter</th>
<th>Year 3: Winter Quarter</th>
<th>Year 3: Spring Quarter</th>
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<tbody>
<tr>
<td>Study Abroad</td>
<td>Major courses</td>
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<td>Minor/elective courses</td>
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<th>Year 4: Fall Quarter</th>
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<td>Field Quarter</td>
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<td>Minor/elective courses</td>
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<tr>
<td>Advanced Seminar/Common Curriculum</td>
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