Minor in Environmental Geology (21-22 credit hours)

1000-level course requirement (6-7 credit hours). Must achieve at least a C- in each course.
GEOL1001C: Geology and Paleontology or GEOL1002C: Earth Surface Processes and Environmental Issues or
GEOL1003/1003L: Physical Geology and Lab or GEOL1004/1004L: Historical Geology and Lab

Additional 1000-level GEOL course (EVST1011 may be used upon approval)

2000-level course requirement (9 credit hours). Must achieve at least a C- in each course.
GEOL2005C: Geomorphology (fall)
GEOL2004C: Sedimentary Geology and Earth History (spring) and
GEOL2012: The Earth System (spring), if the student has taken EVST2025, they may take GEOL3006 instead

3000/4000-level requirement (minimum 6 credit hours)
Select two from the following:
GEOL3000C: Paleontology and Geobiology
GEOL3002C: Geochemistry
GEOL3005C: Hydrogeology
GEOL3006: Climate Through Time
GEOL4001C: Paleontology I: Invertebrate
GEOL4002C: Paleontology II: Vertebrate
GEOL4003: Sedimentology
GEOL4004: Glacial Geology
GEOL4005: Biodiversity Through Geologic Time
GEOL4007: Marine Paleoenvironments and Paleoecology (1/2 semester)
GEOL4008C: Clay Mineralogy
GEOL4011C: Quaternary Geology
GEOL4012C: Modeling Landscapes
GEOL4013: Organic Geochemistry
GEOL4014: Quantitative Approaches to Paleobiology and Paleoecology
GEOL4018C: Stratigraphy and Facies Models (1/2 semester)
GEOL4019: Quaternary Seminar
GEOL4024: Geohydrology and Introduction to Groundwater Modeling
GEOL4028: Stable Isotope Biogeochemistry
GEOL4029: Stable Isotope Ecology
GEOL4030: Quaternary Paleoecology
GEOL4032: Quaternary Limnology
GEOL4035: Carbon Cycling and Greenhouse Gas Emissions
GEOL4036: Holocene Environmental and Cultural History
GEOL4037: Earth’s Early Biosphere
GEOL4038: Analytical Methods and Scripting R
GEOL4041C: Changing Landscapes, Dynamic Environments, and Geohazards in the Himalaya
GEOL4043: Hydraulic Fracturing
GEOL4045: Geoscience Workshop
GEOL4048C: Zooarchaeology
GEOL4049C: Ramen Spectroscopy for the Geosciences
Example timetable for the Environmental Geology minor. Those courses in *italics* are required.

<table>
<thead>
<tr>
<th>Environmental Geology minor</th>
<th>(3 required)</th>
<th>(3 total)</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td><em>Foundation or Freshman Seminar or Physical Geology or Historical Geology</em> (either semester)</td>
<td>Mineralogy</td>
<td>Choose two 3000- or 4000-level courses from list above†</td>
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<tr>
<td>Choose one other 1000 level GEOL course (either semester)</td>
<td><em>Geomorphology</em></td>
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<td><strong>Spring</strong></td>
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<tr>
<td><em>Earth Systems</em></td>
<td><em>Sedimentary Geology and Earth History</em></td>
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Some 4000-level courses may have 3000-level prerequisites or require instructor approval to enroll.
†A fourth 2000-level class will also count towards this requirement.