Minor in Environmental Geology (22-23 credit hours)

1000-level course requirement (7 credit hours). Must achieve at least a C- in each course.
GEOL1001C: Geology and Paleontology (fall semester) and GEOL1003L: Physical Geology Laboratory (spring semester)
or
GEOL1002C: Earth Surface Processes and Environmental Issues (spring semester) and GEOL1003L: Physical Geology Laboratory (spring semester)
and
One additional 1000-level GEOL course

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 Earth History (spring)
GEOL2012: The Earth System (spring)

3000/4000-level requirement (6-7 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
GEOL4007: Marine Paleoenvironments and Paleoecology (1/2 semester)
GEOL4008C: Clay Mineralogy
GEOL4011C: Quaternary Geology
GEOL4012C: Modeling Landscapes
GEOL4013: Organic Geochemistry
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 Paleocology
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
GEOL4048C: Zooarchaeology
GEOL4049C: Ramen Spectroscopy for the Geosciences

A fourth 2000-level course may also count toward this requirement.
<table>
<thead>
<tr>
<th>Term</th>
<th>1000-level (refer to details above)</th>
<th>2000-level (4 courses required)</th>
<th>Upper-level * (2 courses required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Choose one course from the following: GEOL1001C (preferred; fall), GEOL1002C (preferred; spring), GEOL1003 (spring), GEOL1004 (fall), or GEOL1023 (fall) and Choose an additional intro GEOL course fall or spring semester.</td>
<td>GEOL2005C <strong>Geomorphology</strong> Requires completion of the introductory requirement.</td>
<td>Choose two courses from the list above.</td>
</tr>
<tr>
<td>Spring</td>
<td>GEOL2004C <strong>Sedimentary Geology and Earth History</strong> Requires completion of the introductory requirement.</td>
<td>GEOL2012 <strong>The Earth System</strong> Requires completion of the introductory requirement.</td>
<td></td>
</tr>
</tbody>
</table>

*Some 4000-level courses may have 3000-level prerequisites or require instructor approval to enroll. A fourth 2000-level class may also count towards this requirement.*