

## 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*

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 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

GEOL4048C: Zooarchaeology

GEOL4049C: Ramen Spectroscopy for the Geosciences

*A fourth 2000-level course may also count toward this requirement.*

## Example timetable for the Environmental Geology minor

Term	1000-level (refer to details above)	2000-level (4 courses required)	Upper-level* (2 courses required)
Fall	Choose one course from the following: GEOL1001C (preferred; fall), GEOL1002C (preferred; spring), GEOL1003 (spring), GEOL1004 (fall), or GEOL1023C (fall) and Choose an additional intro GEOL course fall or spring semester.	GEOL2005C <b>Geomorphology</b> <i>Requires completion of the            introductory requirement.</i>	Choose two courses from the list above.
Spring		GEOL2004C <b>Sedimentary Geology            and Earth History</b> <i>Requires completion of the            introductory requirement.</i>  GEOL2012 <b>The Earth System</b> <i>Requires completion of the            introductory requirement.</i>	

\*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.

