

MINOR IN ENVIRONMENTAL GEOSCIENCES

REQUIRED COURSES

Code	Title	Hours
EEES 1020	Introductory Geology Laboratory	1
EEES 2100	Fundamentals Of Geology	4

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CHOOSE AT LEAST 16 UNIQUE CREDITS FROM THIS LIST OF COURSES to make up a minimum of 21 credit hours.

EEES 2230	Earth History: Historical Geology and Paleontology	4
EEES 2400	Oceanography And Water Resources	3
EEES 3000	Geology Of National Parks	3
EEES 3100	Surficial Processes	3
EEES 3210	Mineralogy and Petrology	4
EEES 3220	Sedimentary Petrology and Stratigraphy	3
EEES 3250	Engineering Geology	3
EEES 3310	Earth Structures and Mapping	3
EEES 3600	Oceanography	3
EEES 4100	Glacial and Quaternary Geology	3
EEES 4150	Evolution	3
EEES 4220	Environmental Geochemistry	3
EEES 4250	Soil Ecology	3
EEES 4260	Soil Ecology Laboratory	1
EEES 4410	Hydrogeology	3
EEES 4480	GIS Applications in ENSC	3
EEES 4490	Remote Sensing of The Environment	4
EEES 4610	Solid Earth Geophysics	3
EEES 4910	Directed Research ¹	1-5
EEES 4980	Principles of Wildlife Management ¹	3
EEES 4990	Independent Study: Advanced Undergraduate ¹	1-4

¹ The use of EEES 4910, EEES 4980, EEES 4990 must be approved by the student's advisor.

- PLO 6. Students will be able to evaluate environmental issues in the context of geological principles, and to design practical potential solutions.
- PLO 7. Students will be able to apply scientific reasoning to a variety of geological topics.

- PLO 1. Students will be able to explain the theory of plate tectonics and the concept of deep time.
- PLO 2. Students will be able to describe and characterize the layered structure of the earth.
- PLO 3. Students will be able to explain various short-and long-term geologic processes to a general audience.
- PLO 4. Students will be able to recognize that geologic processes are controlled by the complex interactions of the four major earth systems: geosphere, atmosphere, hydrosphere, and biosphere.
- PLO 5. Students will be able to analyze geology and topographic maps or other images to interpret the processes and interactions among the primary Earth systems that produce features on the Earth surface.