

B.S. in Engineering with a Geology Minor

The Geology Minor is designed for undergraduates interested in understanding Earth materials, internal and external Earth processes and the application of geology to engineering issues. Students participating in this concentration will be prepared for entry level opportunities in the geo-technical consulting firms, governmental positions and graduate level studies in geo-technical engineering. Electives should be chosen in consideration of the student's particular interests. Students are advised to check prerequisites of listed courses. Students earning a minor in Geology will require a minimum of 126 credits.

The minimum requirement for a minor in Geology is 18 credit hours taken from the categories outlined below. Students wishing to complete more than one of the environmental minors (environmental management, environmental science and environmental studies) may receive dual credit for the capstone course (ENVT 400), but may not receive dual credit for any other courses that might be shared by the minors.

REQUIRED COURSES	CREDIT HOURS
<i>One of the following</i>	
GEOL 210. Physical Geology for Engineers and Scientists	3
<i>Solid Earth Concentration choose 15 credits:</i>	
GEOL 367. Genesis of Solid Earth Materials	4
GEOL 365. Structural Geography	3
GEOL 395. Geological Perspectives in Material Science and Engineering	3
GEO 410. Engineering Geology	3
GEO 440. Geophysics	3
GEOG 399. Field Course in Ireland: Eng Emphasis (Study Abroad)	TBD
<i>Surface Processes Concentration choose 15 credits:</i>	
GEOL 367. Soils and Land Use	3
GEOL 365. Geochemistry of Natural Waters	3
GEOL 385. Geomorphology	3
GEOL 395. Genesis of Solid Earth Materials	4
GEOL 410. Engineering Geology	2
GEOL 440. Hydrogeology	3
GEOG 399. Field Course in Ireland: Eng Emphasis (Study Abroad)	TBD

These courses, collectively fulfill the 9 credit approved technical elective package for the Bachelor of Science in the School of Engineering.

For more information, please contact:

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