

Michigan Technological University

Minor in Earth Sciences

Program Code: EGLM, Academic Year 2019-20

Department of Geological and Mining Engineering and Sciences

Total Credits Required: 18

Required Courses: select one course for 3 credits

Course	Credits
GE 2000 Understanding the Earth* (3)	
GE 2100 Environmental Geology (3)	

*Note that GE2000 is a prerequisite for a number of elective courses. GE2000 or GE2100, if not taken as required can be taken as an elective.

Elective Courses: select two courses for 6 credits

Course	Credits
GE 2000 Understanding the Earth (3)	
GE 2100 Environmental Geology (3)	
GE 2300 Material Science (3)	
GE 2310 Introduction to Petrology (3)	
GE 2500 Introduction to Oceanography (3)	
GE 2640 Atmospheric Observations/Meteorology (3)	
GE 2900 Geology of the National Parks (3)	

Elective Courses: select three courses for 9 credits

Course	Credits
GE 3040 Fundamentals of Geophysics (3)	
GE 3050 Structural Geology (4)	
GE 3100 Depositional Systems (3)	
GE 3200 Geochemistry (3)	
GE 3320 Earth History (3)	
GE 3915 Intro to Field Geology (3)	
GE 3920 Geological Field Excursion (1-6)	
GE 4100 Geomorphology & Glacial Geology (4)	
GE 4150 Natural Hazards (3)	
GE 4500 Plate Tectonics & Global Geophysics (3)	
GE 4760 Material Deposit Exploration (3)	

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C: GE4760 (GE2310 and GE3000), GE4410 (PH2200 and GE3040), GE4300 (GE2300 and GE2310), GE4150 ((GE2000 or GE2100) and UN2002), GE4100 (GE2000), GE3915 (GE2000 and GE2310 and GE2350), GE3320 (GE2000 or GE2100), GE3200 (CH1100 or CH1110), GE3100 (GE2000 and GE2310), GE3040 (PH2200), GE3000 (GE2350), GE2350 (GE2000), GE2310 (GE2000), GE4400 (PH2200), GE4500 (MA3160 and PH2200 and GE2000).