Michigan Technological University  
Minor in Geological Engineering  
Program Code EGEM, Academic Year 2022-23  
Department of Geological and Mining Engineering and Sciences  
Total Credits Required: 18

Required Courses: 6 credits

- GE 3850 Geohydrology (3) Prereqs: none
- GE 3890 Eng Geology & Rock Mechanics (3) Prereqs: (GE2000 or GE2100) and (GE3050 or ENG2120 or MEEM2510)

Elective Courses: 12 credits

- CEE 4850 Rock Engineering for Civil Engineers (3) Prereqs: CEE3810
- GE 3400 Drilling and Blasting (3) Prereqs: GE2020 and PH2100
- GE 4610 Formation Evaluation and Petroleum Engineering (3) Prereqs: none
- GE 4800 Groundwater Engineering (3) Prereqs: GE3850 or CEE3810
- GE 4860 Computer Methods in Geomechanics (3) Prereqs: GE3860 or CEE3810 or GE3890
- GE 4900 Geological Engineering Capstone I (3) Prereqs: none
- GE 4910 Geological Engineering Capstone II (3) Prereqs: GE4900
- GE 4930 Special Topics in Geological Engineering (1-5) Prereqs: none