Michigan Technological University
Minor in Geological Engineering
Program Code EGEM, Academic Year 2026-2027
Department of Geological and Mining Engineering and Sciences
Minimum 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 3440 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*