

**Michigan Technological University****Minor in Geological Engineering**

Program Code EGEM, Academic Year 2021-22

Department of Geological and Mining Engineering and Sciences

Total Credits Required: 18

**Required Courses: 6 credits**

<b>Course</b>	<b>Credits</b>
GE 3850 Geohydrology	3
GE 3890 Engineering Geology & Rock Mechanics	3

**Elective Courses: 12 credits**

<b>Course</b>	<b>Credits</b>
CEE 4850 Rock Engineering for Civil Engineers	3
GE 3400 Drilling and Blasting	3
GE 4610 Formation Evaluation and Petroleum Engineering	3
GE 4800 Groundwater Engineering	3
GE 4860 Computer Methods in Geomechanics	3
GE 4900 Geological Eng Design Project I	3
GE 4910 Geological Eng Design Project II	3
GE 4930 Special Topics in Geological Engineering	1-5

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C: CEE4850 (CE3810 or CEE3810), GE3400 (GE2020 and PH2100), GE3890 (GE2000 or GE2100 AND GE3050 OR ENG2120 or MEEM2150), GE4800 (GE3850), GE4860 (GE3860 or CE3810 or CEE3810), GE4900 (Senior Status), GE4910 (GE4900), GE4390 (permission of instructor)