

GEOTECHNICAL ENGINEERING MINOR

Developed in collaboration with Geology, this minor meets the needs of ME, MET, and Geology students interested in careers that are closer to Civil and Environmental Engineering. Based on feedback from Geotechnical Engineering firms, the curriculum is designed to provide the skill set they require.

Grade Requirements: students getting a minor in the department must earn a GPA ≥ 2.5 in departmental coursework.

Required Courses

GEOL 470	GROUNDWATER HYDROLOGY	4
GEOL 475	ENGINEERING GEOLOGY OF SOILS: INTRODUCTION TO GEOTECHNICAL ENGINEERING	4
METC 110	ENGINEERING GRAPHICS	5
or MENG 217	3D PARAMETRIC COMPUTER AIDED DESIGN	
METC 340	STATICS	5
or MENG 240	STATICS	
METC 341	STRENGTH OF MATERIALS	4
or MENG 241	STRENGTH OF MATERIALS	
Electives—choose two from the following		8-10
CMTC 235	CONSTRUCTION MATERIALS AND TECHNIQUES	
GEOL 311	EARTH MATERIALS	
GEOL 360	GEOLOGIC HAZARDS	
GEOL 485	GEOTECHNICAL ENGINEERING OF SOILS AND FOUNDATIONS	
GEOL 490A	SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCE ENGINEERING IN ARID LANDS	
MENG 353	INDUSTRIAL MATERIALS	
Total Credits		30-32