

# GEOTECH (CERTIFICATE T0677)

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## Natural Sciences Division

### Certificate T0677

Students who obtain the Geotech Certificate will be qualified for entry-level employment opportunities with local government agencies, private firms, and utilities specializing in water resources and water quality, engineering geology, petroleum resources, environmental hazards and remediation and other geotechnical services. Certificate earners will receive hands-on training in field and lab skills necessary for a variety of geotechnical careers. There are no prerequisite skills for the certificate and enrollment will be limited only by available space in the core classes.

The Geotech Certificate will allow students to qualify for positions in the geotechnical sector prior to or without obtaining a 4-year degree.

### Required Courses

Course Prefix	Course Name	Units
AGOR 50	Soil Science and Management	3
CHEM 9	Chemistry of Everyday Life	3
or CHEM 10	Chemistry for Allied Health Majors	
or CHEM 40	Introduction to General Chemistry	
CISB 15	Microcomputer Applications	3.5
GEOG 10	Introduction to Geographic Information Systems	3
GEOL 1	Physical Geology	4
GEOL 9	Environmental Geology	3
GEOL 9L	Environmental Geology Laboratory	1
GEOL 24	Geologic Field Studies: Central California	4
or GEOL 25	Geologic Field Studies: Southern California	
or GEOL 29	Special Topics in Field Geology	
GEOL 31	Geotechnical Methods for Geotech	1
Variable Unit Course. One unit required.		1
GEOL 32	Work Experience in Geotechnician/Environmental Technician Skills	
GEOL 33	Geotechnical Methods for Geotech 2	1
MATH 100	Survey of College Mathematics	3
SPCH 1A	Public Speaking	4
or SPCH 1AH	Public Speaking - Honors	
Total Units		33.5-36.5

### Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.