

**MS in Civil Engineering: Geotechnical Emphasis
Course Offerings (updated June 2020)**

Course No	Course Title	Credit Hours	Semester Offered
CEEn 442	Foundation Engineering	3	F
CEEn 540	Geo-Environmental Engineering	3	F
CEEn 542	Deep Foundations and Retaining Systems	3	W
CEEn 544	Seepage and Slope Stability Analysis	3	W
CEEn 545	Geotechnical Analysis of Earthquake Phenomena	3	W
CEEn 547	Groundwater Modeling	3	F
CEEn 563	Pavement Design	3	F
CEEn 641	Advanced Soil Mechanics	3	See Schedule
CEEn 645	Field and Laboratory Testing of Soils	3	To be determined
CEEn 648	Groundwater Contaminant Transport	3	W

Geotechnical Engineering is strongly aligned with a number of related fields including, among others, Structural Engineering, Environmental Engineering, Water Resource Engineering, and Geology. As a result, supplemental courses selected from these disciplines within the department and other disciplines outside the department may be appropriate for individual students. A course list for graduate study will depend on an individual student's career goals, research objectives, and individual interests. Therefore, we strongly recommend that graduate students interested in Geotechnical Engineering consult with a geotechnical faculty member as they develop a final study list.

For further information on the Geotechnical Engineering emphasis within the department contact:

Dr. Rollins	422-6334	rollinsk@byu.edu
Dr. Jones	422-7569	njones@byu.edu
Dr. Franke	422-1349	kfranke@et.byu.edu