

Master of Science in Civil Engineering/PhD Engineering

Area of Emphasis – Geotechnical Engineering

Course Requirements

Bachelor of Science in Civil Engineering or must take sequence of required undergraduate courses first.

Required for Degree: 32 credits total – 24 credits coursework, 6 credits thesis, 2 credits seminar.

Suggested Courses:

Course Number	Course Name	Credits
CE 502	Finite Element Methods in Solid Mechanics	3
CE 551	Problems	1 - 3
CE 560	Advanced Soil Mechanics	3
CE 562*	Foundation Engineering I	3
CE 563^	Earth Structures	3
CE 564^	Rock Mechanics	3
CE 565	Soil Behavior	3
CE 566	Pavement Design	3
CE 567	Foundation Engineering II	3
CE 568	Soil Dynamics	3

Required of All Master's Students:

Course Number	Course Name	Credits
CE691	Graduate Seminar (2 semesters, 1 credit each)	12
CE599	Thesis – Major Advisor	6

*CE 360 is a prerequisite for CE 562.

^Nominally offered every other year.

Students must work with their faculty advisor to identify other appropriate elective courses for this degree program.

Note: Course offerings are subject to change each semester based on enrollment and instructor availability.

Revised September 2015