

Course List for MS degree in Geotechnical Engineering

Core Courses

15 units (minimum)

EGCE 515	Geo Environmental Engineering (3)
EGCE 544	Advanced Foundation Engineering (3)
EGCE 545	Slope Stability and Retaining Structures (3)
EGCE 547	Advanced Soil Mechanics (3)
EGCE 548	Soil Dynamics and Foundation Engineering (3)

Technical Electives

15 units (minimum)

EGCE 501	Analytical Methods for the Design of Civil Engineering Systems (3)
EGCE 510	Finite Element Methods (3)
EGCE 532	Earthquake Engineering (3)
EGCE 537	Groundwater and Seepage (3)
EGCE 546	Coastal Engineering (3)
EGCE 563	Advanced Prestressed and Reinforced Concrete Design (3)
EGCE 592	Green Building Design (3)
EGCE 597	Project (1-6)
EGCE 598	Thesis (6)
EGCE 599	Independent Research (1-3)