GRADUATE DEGREE REQUIREMENTS

DEGREE: Master of Science

CODE: M470

MAJOR: Geological Engineering

Total Hours Required:
THESIS Required = 30 hours; Required Number of Thesis Research = 4 hours applied
NON-THESIS Required = 36 hours

Core Courses (11 hours)

Geological Engineering (two courses)
GE 5143 Fluid Flow in Porous Media
GE 5243 Introduction to Rock Mechanics
GE 6263 Advanced Rock Mechanics I

Applied Mathematics (one course)
MATH 4163 Introduction to Partial Differential Equations
ENGR 5723 Engineering analysis of Digital Computer
PE 5563 Mathematical Simulation Models
AME 5763 Introduction to Finite Element Methods

Graduate Seminar (2 hours, or one credit hour of each)
GE 5971 Graduate Seminar
GE 5990 Special Studies

Thesis Electives (15 hours)
Fifteen hours of approved electives with at least 9 hours in PGE

Non-Thesis Electives (25 hours)
Twenty-five hours of approved electives with at least 18 hours in PGE

Thesis Research (4 hours) Thesis students only
GE 5980 Thesis Research

Note: Students may apply only 3 credit hours of S/U graded courses (excluding thesis hours) to the MS in Geological Engineering.