

Civil & Environmental Engineering
Non-Thesis Master's Program
Master's Degree Requirements (2016)
Geotechnical Engineering

General Degree Requirements

- 41 credits of coursework
- 1 credit of CEE 500 Departmental Seminar
Note: Register for the seminar 1 quarter only. The seminar will hold approximately 9 total seminars throughout the academic year (AUT, WIN & SPR). A minimum of 7 seminars must be attended to receive credit. A grade will be posted at the end of Spring quarter.

42 Total Credits are Required

Core Geotechnical Program:

- CEE 500 Departmental Seminar, 1 CR
- CEE 527 Advanced Geotechnical Laboratory, 4 CR (AUT)
- CEE 599 Structural Mechanics , 4 CR (AUT)
- CEE 502 Structural Dynamics, 3 CR (WIN)
- CEE 599 Computational Geomechanics, 4 CR (WIN)
- CEE 599 Advanced Foundation Engineering, 4 CR (WIN)
- CEE 599 Geotechnical Earthquake Engineering, 4 CR (SPR)
- CEE 599 Geological Engineering & Rock Mechanics, 4 CR (SPR)
CEE 498 Geohazards, 3 CR, (SPR) Not offered 2016-2017

The list of course offerings is subject to change. Please refer to the UW Time schedule as it becomes available for up-to-date information.

Students may also take classes outside the department, as long as the degree requirements are met, and the course plan is approved. Some other elective courses from the CEE department and outside

the department are listed under the "Electives" section.

Electives:

- CEE 503 Materials Modeling, 3 CR (SPR)
- AA 540, 541 Finite Element Analysis I, II, 3 CR
- ARCH 574 Design and Construction Law, 3 CR
- AMATH 506 Applied Probability Statistics, 4 CR
- AMATH 581, 582, 583 Scientific Computing, 5 CR
- AMATH 584, 585, 586 Numerical Analysis, 5 CR
- ATSM 552 Objective Analysis
- ESS 512 Seismology
- ESS 522 Geophysical Data Collection and Analysis
- ESS 523 Geophysical Inverse Theory
- STAT 504, 506 Applied Regression, Applied Prob. and Stat.
- STAT 512 Statistical Inference
- STAT 520 Spectral Analysis of Time Series

Check with offering departments or UW Time schedule for details