Master's of Science in Civil Engineering Program Plan

Student Information				Area of Study (select one)								
Name				_	☐ Construction, Energy & Sustainable Infrastructure			□ Ну	☐ Hydrology & Hydrodynamics (select subarea)			
Student#				☐ Environmental Engineering (select subarea)			☐ Str	☐ Structural Engineering				
UW NetID_				☐ Geotechnical Engineering			☐ Tra	☐ Transportation Engineering				
Program	☐ Thesis ☐ Non-Thes	iis										
Faculty Adviser Signature Date			-									
Quarter			Quarter			Quarter		1	Quarter			
Year			Year			Year			Year	Year		
Course #	Title	Credits	Course #	Title	Credits	Course #	Title	Credits	Course #	Title	Credits	
Quarter	Quarter		Quarter			Quarter	Quarter		Quarter			
Year			Year			Year			Year	Year		
Course #	Title	Credits	Course #	Title	Credits	Course #	Title	Credits	Course #	Title	Credits	

Submit your approved Program Plan to the Graduate Advisers in More 201 by the end of your first quarter and an updated plan in your final quarter. Failure to do so may delay graduation.

Master's of Science in Civil Engineering Program Plan Geotechnical Engineering - Research Track (Thesis Option)

General Degree Requirements (42 total credits)

$\hfill \square$ 9 credits CEE 700 - Thesis (max 12 credits with faculty approval)	☐ 3 credits maximum of CEE 600 - Independent Study	☐ 499 credits do not count towards a graduate degree				
☐ 18 credits minimum 500 level coursework	☐ 3.0 Minimum cumulative GPA overall	$\ \square$ 300 and below coursework does not count towards a graduate degree				
☐ 18 credits minimum of 400-500 level coursework	☐ 3.0 Minimum cumulative GPA in Geotechnical coursework	$\ \square$ 6 year max to complete degree (including official On Leave status)				
☐ 3 credits minimum outside of CESG coursework	☐ 2.7 minimum grade for a course to count	☐ 6 credits maximum of approved transfer credits				
☐ All CEWA coursework (except seminars) taken for numeric grade						
	Required Coursework					
☐ CESG 561 (prev. CEE 599) Adv Soil Mech (4)	☐ CESG 564 (prev. CEE 599) Computational Geomechanics (4)	☐ CESG 567 (prev. CEE 523) Advanced Foundation Engineering (3)				
☐ CESG 562 (prev. CEE 527) Adv Geotech Lab (5)	☐ CESG 565 (prev. CEE 599) Soil Dynamics (3)	☐ CESG 568 (prev. CEE 599) Geotechnical Earthquake Eng (3)				
☐ CESG 563 (new) Phys-chem Aspects of Soil Beh (3)	☐ CESG 566 (new) Slope Stability and Landslides (3)	☐ CESG 569 (prev. CEE 599) Geological Eng & Rock Mechanics (3)				
	☐ CESG 571 (prev CEE 599) Case Histories (3)	☐ CESG 570 (new) Geosystems Engineering (3)				
Note: The second	2040 40. The little of the course will not always from home	for the second s				
Note: There will be updates to the Geotech core coursework numbering	ng over 2018-19. The titles of the courses will not change. If you have a	any questions please speak to your faculty or academic adviser.				
	Suggested Electives					
The remaining course requirements for the MSCE degree can be satis Students are encouraged to explore the availability of these courses a		as a variety of relevant courses from other departments at the UW. th, in line with the student's career goals, with guidance and approval from				
their faculty adviser.						
Note: This is not a comprehensive list but rather suggestions for some their elective choices with their faculty adviser.	relevant courses. Refer to the UW Time Schedule or the corresponding	g department for course offering details. Students should always confirm				
AA 540/541 Finite Element Analysis I & II (3 each)	ATM S 552 Objective Analysis	ESS 523 Geophysical Inverse Theory				
AMATH 506 Applied Probablility Statistics (4)	CESG 508 (prev. CEE 503) Materials Modeling (3)	STAT 504, 506 Applied Regression, Applied Prob. & Stat.				
AMATH 581, 582, 583 Scientific Computing (5)	CESG 501 (prev. CEE 501) Structural Mechanics	STAT 512 Statistical Inference				

STAT 520 Spectral Analysis of Time Series

ESS 512 Seismology

ESS 522 Geophysical Data Collection and Analysis

AMATH 584, 585, 586 Numerical Analysis (5)

ARCH 574 Design and Construction Law (3)