

Master's of Science in Civil Engineering Program Plan

Student Information

Name _____

Student # _____

UW NetID _____

Program Thesis Non-Thesis

Area of Study (select one)

- Construction, Energy & Sustainable Infrastructure
- Environmental Engineering (select subarea)
- Geotechnical Engineering
- Hydrology & Hydrodynamics (select subarea)
- Structural Engineering
- Transportation Engineering

 Faculty Adviser Signature Date

Quarter		
Year		
Course #	Title	Credits

Quarter		
Year		
Course #	Title	Credits

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Quarter		
Year		
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 Structural Engineering - Non-Thesis Option

General Degree Requirements (42 total credits)

- 39 credits minimum of course work
- 3 credits maximum of CEE seminar count toward degree
- 3 credits maximum CEE 600 - Independent Study
- 18 credits minimum 500 level coursework
- 18 credits minimum of 400-500 level coursework
- All CEE coursework (except seminars) taken for numeric grade
- 3 credits minimum outside structures coursework (can be CEE)
- 3.0 minimum cumulative GPA overall
- 3.0 minimum cumulative GPA in CEE coursework
- 2.7 minimum grade for a course to count
- 499 credits do not count towards a graduate degree
- 300 and below coursework does not count towards a graduate degree
- 6 year max to complete degree (including official On Leave status)
- 6 credits maximum of approved transfer credits
- Structures does not allow internship credit to count towards degree

Required Core (12 credits)

- CEEG 501 (prev. CEE 501) Structural Mechanics (4)
Note: for Fall 2018, this is CEE 599D
- CEEG 502 (prev. CEE 502) Structural Dynamics (4)
- CEEG 504 (prev. CEE 504) Finite Element Meth in Structural Mech (4)

Suggestive Electives (30 credits)

The remaining course requirements for the MSCE degree can be satisfied by any 5XX and some 4XX courses in the CEEG program, as well as a variety of relevant courses from other departments at the UW. Students are encouraged to explore the availability of these courses and decide on an individual plan of study that balances depth and breadth, 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 relevant departments. Refer to the UW Time Schedule or the corresponding department for course offering details. Students should always confirm their elective choices with their faculty adviser.

Civil Engineering Suggested Electives

- CEEG 508 (prev CEE 503) Materials Modeling (3)
- CEEG 505 (prev CEE 505) Engineering Computing (3)
- CEEG 506 (prev CEE 506) Nonlinear Analysis of Structural Sys (3)
- CEEG 507 (prev CEE 507) Structural Stability (3)
- CEEG 521 (prev CEE 511) Advanced Reinforced Concrete (3)
- CEEG 523 (prev CEE 512) Advanced Structural Systems (3)
- CEEG 521 (prev CEE 513) Advanced Steel I (3)
- CEEG 526 (prev CEE 515) Earthquake Engineering I (3)
- CEEG 527 (prev CEE 516) Earthquake Engineering II (3)
- CEEG 528 (prev CEE 517) Wind Engineering Design (3)
- CEEG 509 (prev CEE 518) Reliability and Design (3)
- CEE 599 Advanced Steel II (3)
- CEE 599 Prestressed Concrete Design (3)
- CEE 599 Math Foundation of Continuum Mechanics (3)
- CEE 404 Infrastructure Const. (3)
- CESI 588 Energy and the Environment (3)
- CEE 599 Geotechnical Earthquake Engineering (3)

Departments with Suggested Electives

- Aeronautics and Astronautics (AA)
- Mechanical Engineering (ME)
- Material Science and Engineering (MSE)
- Applied Math (AMATH)
- Architecture (ARCH)
- Construction Management (CM)