

# 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		
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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

## Transportation Engineering

### Research Track (Thesis Option)

- 33 credits of coursework minimum
- 9 credits of CEE 700 - Master's Thesis

### Professional Master's Program

- 39 credits of coursework
- 3 credits of CEE 600 - Research Report

### Professional Master's Program - Internship Track

- 33 credits of coursework
- 3 credits of CEE 600 - Research Report
- 6 credits of CEE 601 - Internship

### General Degree Requirements (42 total credits)

- 18 credits minimum 500 level coursework
- 18 credits min of 400-500 coursework taken for numeric grade
- All CET coursework (except seminars) taken for numeric grade
- 3 credits minimum outside CEE
- 3.0 minimum cumulative GPA overall
- 3.0 minimum cumulative GPA in CET coursework
- 2.7 minimum grade for a course to count  
(note: no more than 3 credits of CEE 600 can count toward any degree)
- 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

### Required Coursework

All students in Transportation are required to take:

- CET 502 (or CET 599): Research Preparation (1)
- CET 511: Planning for People and Freight (4)
- CET 512(CEE 599 in 2019-2020) Transportation Data Collection (3)
- CET 513 Transportation Networks and Optimization (3)
- CET 521 Inferential Data Analysis for Engineers (3)
- CET 522 Transportation Data Management and Visualization (3)

### Suggested Electives

The remaining course requirements for the MSCE degree can be satisfied by any 5XX and some 4XX courses in the CET 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: As a guide please look at the Transportation Engineering Suggested Electives document.