# Master's of Science in Civil Engineering Program Plan

## Student Information

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<thead>
<tr>
<th>Name</th>
<th>Student #</th>
<th>UW NetID</th>
<th>Program</th>
<th>☐ Thesis ☐ Non-Thesis</th>
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## Area of Study (select one)

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

## Faculty Adviser Signature

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<tr>
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## Course Planning

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<tr>
<th>Quarter</th>
<th>Year</th>
<th>Course #</th>
<th>Title</th>
<th>Credits</th>
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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
Hydrology & Hydrodynamics - Non-Thesis Option

General Degree Requirements (42 total credits)

☐ 2.7 minimum grade for a course to count
☐ 300 and below coursework does not count towards a graduate degree
☐ 499 credits do not count towards a graduate degree
☐ All CEWA coursework (except seminars) taken for numeric grade
☐ No more than 2 credits of seminar to count towards degree
☐ 6 credits maximum of approved transfer credits
☐ 6 year max to complete degree (including official On Leave status)
☐ 3.0 Minimum cumulative GPA

☐ 18 credits minimum 500 level coursework
☐ 18 credits minimum graded credits at the 400/500 level
☐ 0.0 Minimum cumulative GPA

Core Courses (21 credits)

☐ CEE 475 Analysis Tech for Groundwater Flow (3)*
* ESS 454 (Hydrogeology) will substitute for CEE 475 in 2018-19
☐ CEWA 574 (prev. CEE 599) Hydraulics of Sediment Transport (4)
☐ CEWA 565 (prev. CEE 599) Data Analysis in Water Sciences (4)
☐ CEWA 596 (prev. CEE 551) Fate & Transport of Chem in the Enviro (3)
☐ CEWA 576 (prev. CEE 599) Physical Hydrology (4)
☐ CEWA 579 (prev. CEE 599) Quantitative Water Management (3)

Common Areas of Focus and Recommended Coursework

Hydrology
☐ CEE 424 GIS for Civil Engineers (3)
☐ CEWA 566 (prev. CEE 599) Sat Remote Sensing for Water Res (3)
☐ CEE 481 Hydraulic Design for Env Engrs (3)
☐ CEEWA 568 (prev. CEE 573) Snow Hydrology (3)
☐ CEEWA 564 (prev. CEE 574) Advanced Hydrology (3)
☐ CEEWA 577 (prev. CEE 599) Open Channel Engineering (4)
☐ CEEWA 599 Advanced Surveying (3)
☐ ESS 421 Introduction to Geological Remote Sensing (4)
☐ ESS 426 Fluvial Geomorphology (5)
☐ SEFS 507 Soils & Land Use Problems (4)
☐ SEFS 520 GIS in Forest Resources (5)
☐ URBDP 526 Floodplain Management and Planning for Coastal and River Communities (3)

Hydrodynamics
☐ CEEWA 570 (prev. CEE 570) Hydrodynamics (4)
☐ CEEWA 572 Numerical Modeling of Hydrodynamics (3)
☐ CEEWA 573 (prev. CEE 572) Water Wave Mech for Coastal Eng (4)
☐ CEEWA 577 (prev. CEE 599) Open Channel Engineering (4)
☐ AA 543 Computational Fluid Dynamics (3)
☐ ME 543 Fluid Turbulence (3)
☐ OCEAN 511 Fluid Dynamics (4)
☐ OCEAN 512 Geophysical Fluid Dynamics (4)

Fate & Transport
☐ CEEWA 462 Applied Limnology and Pollutant Effects on Freshwater (3)
☐ CEEWA 483 Drinking Water Treatment (3)
☐ CEEWA 540 (prev. CEE 540) Microbiological Process Fundamentals (3)
☐ CEEWA 543 (prev. CEE 543) Aquatic Chemistry (4)
☐ CEEWA 545 (prev. CEE 545) Environmental Organic Chemistry (3)
☐ CEEWA 549 (prev. CEE 549) Adv Topics in Enviro Eng, Chem, and Bio (3)
☐ CEEWA 550 (prev. CEE 550) Environmental Chemical Modeling (3)
☐ CEEWA 580 (prev. CEE 577) Water-Quality Management (3)
☐ SEFS 507 Soils & Land Use Problems (4)