Master's of Science in Civil Engineering Program Plan

Student Information

Name ______________________________

Student # ______________________________

UW NetID ______________________________

Program ☐ Thesis ☐ Non-Thesis

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Faculty Adviser Signature Date

Area of Study (select one)

☐ Construction, Energy & Sustainable Infrastructure

☐ Hydrology & Hydrodynamics

☐ Environmental Engineering

☐ Structural Engineering

☐ Geotechnical Engineering

☐ Transportation Engineering

Quarter		
Year		
Course #	Title	Credits

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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

Hydrology & Hydrodynamics

Research Track (Thesis Option)

- ☐ 33 credits of coursework
- ☐ 9 credits of CEE 700 - Master's Thesis
  (max 12 credits with faculty approval in place of 3 coursework credits)

Professional Master's Program (Coursework Option)

- ☐ 42 credits of coursework

General Degree Requirements (42 total credits)

- ☐ 2.7 minimum grade for a course to count
- ☐ 18 credits minimum 500 level coursework
- ☐ 18 credits minimum graded credits at the 400/500 level
- ☐ 3.0 Minimum cumulative GPA
- ☐ 300 and below coursework does not count towards a graduate degree
- ☐ 499 credits do not count towards a graduate degree
- ☐ 6 credits maximum of approved transfer credits
- ☐ All CEWA coursework (except seminars) taken for numeric grade
- ☐ No more than 2 credits of seminar to count towards degree
- ☐ 6 year max to complete degree (including official On Leave status)

Core Courses (21 credits)

- ☐ CEWA 565 Data Analysis in Water Sciences (4)
- ☐ CEWA 596 Fate & Transport of Chem in the Enviro (3)
- ☐ CEWA 576 Physical Hydrology (4)
- ☐ CEWA 577 Open Channel Engineering (4)
- ☐ CEWA 578 Water Res Sys Manage & Ops (3)

or

- ☐ CEWA 579 Quantitative Water Management (3)

Common Areas of Focus and Recommended Coursework

Hydrology

- ☐ CEE 424 GIS for Civil Engineers (3)
- ☐ CEE 475 Analysis Tech for Groundwater Flow (3)
- ☐ CEE 481 Hydraulic Design for Env Engrs (3)
- ☐ CEWA 537 Advanced Surveying (5)
- ☐ CEWA 566 Sat Remote Sensing for Water Res (3)
- ☐ CEWA 568 Snow Hydrology (3)
- ☐ CEWA 564 Advanced Hydrology (3)
- ☐ CEWA 567 Geospatial Data Analysis (5)
- ☐ 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

- ☐ CEWA 570 Hydrodynamics (4)
- ☐ CEWA 572 Numerical Modeling of Hydrodynamics (3)
- ☐ CEWA 573 Water Wave Mech for Coastal Eng (4)
- ☐ CEWA 574 Hydraulics of Sediment Transport (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

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