

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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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 (2018/2019)

Environmental Engineering - Professional Master's Program

General Degree Requirements (42 total credits)

- | | | |
|---|--|---|
| <input type="checkbox"/> 2.7 minimum grade for a course to count | <input type="checkbox"/> All CEWA coursework (except seminars) taken for numeric grade | <input type="checkbox"/> 6 credits maximum of approved transfer credits |
| <input type="checkbox"/> 18 credits minimum 500 level coursework | <input type="checkbox"/> Seminar courses are optional for all degrees | <input type="checkbox"/> 6 year max to complete degree (including official On Leave status) |
| <input type="checkbox"/> 18 credits minimum graded credits at the 400/500 level | <input type="checkbox"/> No more than 2 credits of seminar to count towards degree | <input type="checkbox"/> 300 and below coursework does not count towards a graduate degree |
| <input type="checkbox"/> 3.0 Minimum cumulative GPA | | <input type="checkbox"/> 499 credits do not count towards a graduate degree |

Core Water Requirements

- CEWA 540 (prev. CEE 540) Microbiological Process Fundamentals (3)
- CEWA 543 (prev. CEE 543) Aquatic Chemistry (4)
- CEWA 545 (prev. CEE 545) Environmental Organic Chemistry (3)

Recommended Engineering Systems for Water Quality Courses

- | | |
|---|--|
| <input type="checkbox"/> CEWA 541 (prev. CEE 541) Biological Treatment Systems (3) | <input type="checkbox"/> CEWA 550 (prev. CEE 550) Environmental Chemical Modeling (3) |
| <input type="checkbox"/> CEWA 544 (prev. CEE 544) Physical-Chemical Treatment Processes (4) | <input type="checkbox"/> CEWA 580 (prev. CEE 577) Water-Quality Management (3) |
| <input type="checkbox"/> CEWA 547 (prev. CEE 547) Lake & Watershed Management (3) | <input type="checkbox"/> CEWA 582 (prev. CEE 599) Wastewater Reuse & Resource Recovery (3) |
| <input type="checkbox"/> CEWA 549 (prev. CEE 549) Adv Topics in Enviro Eng, Chem, and Bio (3) | <input type="checkbox"/> CEWA 585 (prev. CEE 599) Environmental Analysis (3) |

Recommended Water Quality in Natural Systems Courses

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|--|---|
| <input type="checkbox"/> CEE 462 Applied Limnology & Pollutant Effects on Freshwater (3) | <input type="checkbox"/> CEWA 547 (prev. CEE 547) Lake & Watershed Management (3) |
| <input type="checkbox"/> CEWA 596 (prev. CEE 551) Fate & Transport of Chem in the Enviro (3) | <input type="checkbox"/> CEWA 550 (prev. CEE 550) Environmental Chemical Modeling (3) |
| <input type="checkbox"/> CEWA 567 (prev. CEE 599) Adv Remote Sensing & Earth Observation (4) | <input type="checkbox"/> CEWA 580 (prev. CEE 577) Water-Quality Management (3) |
| <input type="checkbox"/> CEWA 585 (prev. CEE 599) Environmental Analysis (3) | <input type="checkbox"/> CEWA 576 (prev. CEE 476) Physical Hydrology (4) |

Recommended Air Quality Courses

- | | |
|--|---|
| <input type="checkbox"/> ATM S 501 Fund of Physics & Chem of the Atmosphere (5) | <input type="checkbox"/> CEWA 557 (prev. CEE 557) Air Resources Management (3) |
| <input type="checkbox"/> ATM S 558 Atmospheric Chemistry (3) | <input type="checkbox"/> CEWA 560 (prev. CEE 560) Risk Assess for Enviro Health Hazards (3-4) |
| <input type="checkbox"/> CEE 480 Air Quality Modeling (3) | <input type="checkbox"/> ENV H 548 Community Air Pollution (3) |
| <input type="checkbox"/> CEE 490 Air Pollution Control (4) | <input type="checkbox"/> ENV H 552 Env. Chemistry of Pollution (4) |
| <input type="checkbox"/> CET 588 (prev. CEE 588) Energy Infrastructure and the Environment (3) | <input type="checkbox"/> ENV H 555 Industrial Hygiene Measurement Lab (3) |

Other Departments With Coursework of Interest:

Atmospheric Sciences, Environmental and Occupational Health Sciences, Aquatic and Fishery Sciences, Earth and Space Sciences, Environmental and Forest Sciences

Suggested Electives

The remaining course requirements for the MSCE degree can be satisfied by any 5XX and some 4XX courses in the CEWA 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 courses. Refer to the UW Time Schedule or the corresponding department for course offering details.