

Name
Student #
Admitted Quarter / Year
Faculty Advisor

**Civil & Environmental Engineering
Non-Thesis Master's Program Plan (2016)**

Environmental Engineering (EES)

Qtr/Yr _____	Credits	Qtr/Yr _____	Credits	Qtr/Yr _____	Credits	Qtr/Yr _____	Credits
QTR CREDITS		QTR CREDITS		QTR CREDITS		QTR CREDITS	

Additional pages may be used if you will be registering for more than 4 quarters.

Faculty Advisor Date

Student Date

GENERAL DEGREE REQUIREMENTS

42 Total Credits are Required

<input type="checkbox"/> Minimum 40 coursework credits	<input type="checkbox"/> Minimum 21 credits 400 or 500 level CEE courses (not seminars)
<input type="checkbox"/> 2 credits CEE Seminar, to include: 1 credit CEE 500 Dept. Seminar + 1 credit Env./H&H Seminar	<input type="checkbox"/> All CEE classes taken for a numeric grade (except Seminars)
<input type="checkbox"/> Minimum 21 credits of 500 level coursework*	<input type="checkbox"/> 499 credits do not count toward a graduate degree
<input type="checkbox"/> Minimum 21 credits numerically graded 400-500 level CW* *These requirements may overlap.	<input type="checkbox"/> Classes 300 or below do not count
	<input type="checkbox"/> 3.0 minimum cumulative GPA
	<input type="checkbox"/> 2.7 minimum grade for a class to count

Submit your approved Program Plan to the Graduate Advising Office, 201 More Hall by the end of your first quarter. Updates may be made as needed. Students are responsible for insuring all degree requirements are met. The Advising Office does not conduct a degree audit until you have applied to graduate.

Non-Thesis Master's Program Plan (2016) Environmental Engineering (EES)

Environmental Engineering offers three areas of emphasis for the master's program. Students will select an area of emphasis based on their primary interest and complete the required coursework and electives to meet degree requirements. Areas of emphasis are:

- Engineering Systems for Water Quality (ESWQ)
- Water Quality in Natural Systems (WQNS)
- Air Quality (AQ)

REQUIRED COURSEWORK BY AREA OF EMPHASIS

ESWQ Required (25 credits)

- CEE 500 Seminar, 2 CR, to include:
1 CR CEE Dept. Seminar and 1 CR Env./Water Seminar
- CEE 540 Microbiological Process Fundamentals, 3 CR (AUT)
- CEE 543 Aquatic Chemistry, 4 CR (AUT)
- CEE 541 Biological Treatment Systems, 3 CR (WIN)
- CEE 544 Physical/Chemical Treatmnt Process, 4 CR (WIN)
- CEE 545 Environmental Organic Chemistry, 3 CR (WIN)
- CEE 549 Adv. Topics in Env. Eng., Chem, and Biol, 3 CR (SPR)
- One of the following:
- CEE 547 Lake & Watershed Management, 3 CR (SPR)
- CEE 550 Environmental Chemical Modeling, 3 CR (SPR)
- CEE 599 Environmental. Analyses 3 CR (SPR)
- CEE 599 Wastewater Reuse and Resource Recovery, 3 CR (WIN)
- CEE 577 Water Quality Management, 3 CR
(Not offered 2016-2017)

WQNS Required (21 credits)

- CEE 500 Seminar, 2 CR, to include:
1 CR CEE Dept. Seminar and 1 CR Env./Water Seminar
- CEE 462 Applied Limnology & Pollutant Effects on Freshwater, 3 CR (AUT)
- CEE 540 Microbiological Process Fundamentals, 3 CR (AUT)
- CEE 543 Aquatic Chemistry, 4 CR (AUT)
- CEE 551 Fate and Transport of Chemicals, 3 CR (AUT)
- CEE 545 Environmental Organic Chemistry, 3 CR (WIN)
- One of the following:
- CEE 547 Lake & Watershed Management, 3 CR (SPR)
- CEE 550 Environmental Chemical Modeling, 3 CR (SPR)
- CEE 599 Env. Analyses, 3 CR (SPR)
- CEE 599 Adv. Remote Sensing and Earth Observation, 4 CR (WIN)
- CEE 577 Water Quality Management, 3 CR
(Not offered 2016-2017)
- CEE 599 Microbial Genetics in Env. Process, 3 CR
(Not offered 2016-2017)

AQ Typical Coursework

- CEE 500 Seminar, 2 CR, to include:
1 CR CEE Dept. Seminar and 1 CR Env./Water Seminar
- ATMS 501 Fund of Physics & Chem of the Atmosphere, 5 CR
- CEE 560/ENVH 577 Risk Assessment for Env. Health Hazards, 3 CR
- CEE 480 Air Quality Modeling, 3 CR (WIN)
- ENVH 552 Env. Chemistry of Pollution, 4 CR
- CEE 490 Air Pollution Control, 4 CR (SPR)
- CEE 557 Air Quality Management, 3 CR (SPR)
- ATMS 558 Atmospheric Chemistry, 3 CR
- ENVH 448/548 Community Air Pollution, 3 CR
Also allowed:
- CEE 588 Energy, Infrastructure and the Environment, 3 CR (AUT)
- ENVH 555 Industrial Hygiene Measurement Lab, 3 CR

Check with offering departments or UW Time schedule for details regarding courses outside CEE.

ELECTIVES

The remaining course requirements for the MSCE degree can be satisfied by any 5XX and some 4XX courses in the EES or H&H programs, as well as a variety of relevant courses from other departments at the UW (e.g. departments in the College of the Environment). 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. Some suggested electives outside CEE are shown below. 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.

ATMS 501 Fund of Physics & Chem of the Atmosphere ATMS 558 Atmospheric Chemistry ENVH 445 Solid Waste Management ENVH 548 Community Air Pollution ENVH 552 Environ Chemistry of Pollution FISH 473 Applied Limnology	CEE 560 Risk Assessment (ENVH 577), <u>Or</u> EPI 511 Intro to Epidemiology ESS 424 Water in the Environment <u>Or</u> ESS 426 Fluvial Geomorphology SEFS 523 Env. Applications of Plants: Bioenergy and Bioremediation
---	---

Non-Thesis Master's Program Plan (2016)
Environmental Engineering (EES)

CHECKLIST

Your First Quarter

- Meet with your faculty advisor and have your program plan approved.
- Turn in your approved Program Plan to the Graduate Advising Office, 201 More Hall, prior to the end of your first quarter.

Your Last Quarter

- Review Graduate School Dates and Deadlines: <http://grad.uw.edu/for-students-and-post-docs/dates-and-deadlines/>
- Submit the online Master's Degree Request at: <http://www.grad.washington.edu/mygrad/student.htm> by posted deadline.
- Update your Program Plan if needed and submit to the Graduate Advising Office.
- Submit signed Master's Degree Warrant to Graduate Advising Office by Wednesday of last day of the quarter.
- Prior to leaving the department, *submit online Final Checkout form and CEE Exit Survey:*
<http://www.ce.washington.edu/students/masters.html>
- Allow 3-4 months for your diploma to arrive. Update your mailing address in MyUW if necessary.