

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

DEGREE REQUIREMENTS—42 Credits are Required

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| <input type="checkbox"/> Minimum 40 coursework credits
<input type="checkbox"/> 2 CEE Seminar credits to include:
1 credit CEE 500 Dept. Seminar + 1 credit ENV./H&H Seminar
<input type="checkbox"/> Minimum 21 credits of 500 level coursework *
<input type="checkbox"/> Minimum 21 credits numerically graded 400-500 level CW *
*These requirements may overlap. | <input type="checkbox"/> Minimum 21 credits 400 or 500 level CEE courses (not seminars)
<input type="checkbox"/> All CEE classes taken for a numeric grade (except Seminars)
<input type="checkbox"/> 499 credits do not count toward a graduate degree
<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 |
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Environmental Engineering offers three master's program tracks:

Applied Limnology (AL), Air Resources Engineering (AR), and Water Quality Engineering (WQ). Students may select courses from the list below associated with their track. *This list of course offerings is tentative and subject to change.*

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 Biol. Sys. Eng. for Enhcd. Res. Recovery., 3 CR (SPR)
- CEE 599 Environmental. Analyses 3 CR (SPR)
- CEE 577 Water Quality Management, 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
- 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

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 Observ. 5 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)

Other Electives (refer to the UW Time Schedule or the department for course offering details):

ATMS 501 Fund of Physics & Chem of the Atmosphere
 ATMS 558 Atmospheric Chemistry
 ENVH 548 Community Air Pollution
 ENVH 552 Environ Chemistry of Pollution
 FISH 473 Applied Limnology

ENVH 577 Risk Assessment (CEE 560), Or
 EPI 511 Intro to Epidemiology
 ESS 424 Water in the Environment Or
 ESS 426 Fluvial Geomorphology
 SEFS 523 Env. Applications of Plants: Bioenergy and Bioremedia-
 tion