

ENVIRONMENTAL CHEMISTRY AND TECHNOLOGY, DOCTORAL MINOR

Any student enrolled in a University of Wisconsin–Madison doctoral program can pursue a doctoral minor in Environmental Chemistry and Technology (EC&T). The strength of the EC&T program lies in its interdisciplinary approach bringing state-of-the-art scientific and engineering principles to the field of environmental chemistry. This enables EC&T to educate and train graduate students for varied careers as well as to advance knowledge and techniques for both scientific research and applied problem solving.

ADMISSIONS

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Students interested in the doctoral minor should first contact the department Graduate Coordinator to learn the requirements, process, and complete the required paperwork.

All Graduate School students must utilize the Graduate Student Portal in MyUW to add, change, or discontinue any doctoral minor. To apply to this minor, log in to MyUW (<https://my.wisc.edu/web/expanded/>), click on Graduate Student Portal, and then click on Add/Change Programs. Select the information for the doctoral minor for which you are applying.

REQUIREMENTS

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Students must complete a breadth of courses to complement their doctoral major and academic background. Students must earn a B or better in courses for the doctoral minor. Doctoral minor courses and required doctoral major courses cannot overlap or double-count.

The Graduate Program Handbook (<https://engineering.wisc.edu/cee-grad-ect-handbook/>) is the repository for all of the program's policies and requirements.

Code	Title	Credits
Core Courses		8
Students must complete three courses from at least two of the following groups.		
<i>Environmental Inorganic Chemistry</i>		
CIV ENGR 703 or GEOSCI 875	Environmental Geochemistry Advanced Topics in Geology	
<i>Environmental Organic Chemistry</i>		
CIV ENGR 704 or CIV ENGR/ M&ENVTOX/ SOIL SCI 631	Environmental Chemical Kinetics Toxicants in the Environment: Sources, Distribution, Fate, & Effects	
<i>Atmospheric Chemistry</i>		

CIV ENGR/ ATM OCN 701 or CHEM 629	The Chemistry of Air Pollution Atmospheric Chemical Mechanisms	
<i>Environmental Technology</i>		
CIV ENGR 609 or CIV ENGR 62	Special Topics in Water Chemistry Special Topics in Environmental Engineering	
<i>Advanced Electives (numbered 500 or higher) associated with the program</i>		
Seminar		1
Students must complete one semester of the following course.		
CIV ENGR 909	Graduate Seminar - Environmental Chemistry & Technology	
Total Credits		9

PEOPLE

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Faculty: Professors Hurley (Civil and Environmental Engineering), Bertram (Chemistry), Bleam (Soil Science), Harrington (Civil and Environmental Engineering), Karthikeyan (Biological Systems Engineering), McMahon (Civil and Environmental Engineering/Bacteriology), Roden (Geoscience), Root (Chemical and Biological Engineering), Schauer (Civil and Environmental Engineering), Thompson (Biological Systems Engineering); Associate Professors Ginder-Vogel (director; Civil and Environmental Engineering), Remucal (Civil and Environmental Engineering), Whitman (Soil Science); Assistant Professors Anantharaman (Bacteriology), Majumder (Bacteriology), Qin (Civil and Environmental Engineering), Wei (Civil and Environmental Engineering). See also ECT faculty (<https://engineering.wisc.edu/departments/civil-environmental-engineering/research/environmental-chemistry-technology/>).