

# CIVIL AND ENVIRONMENTAL ENGINEERING: ENVIRONMENTAL ENGINEERING, MENG

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

### NAMED OPTION REQUIREMENTS MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
No	No	Yes	No	No

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW–Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirement Detail

Minimum Credit Requirement 30 credits

Minimum Residence Credit Requirement 16 credits

Minimum Graduate Coursework Requirement 15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <https://policy.wisc.edu/library/UW-1244> (<https://policy.wisc.edu/library/UW-1244/>).

Overall Graduate GPA Requirement 3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements Courses with grades D and F do not satisfy degree requirements. Refer to the Graduate School: Failing Grades policy: <https://policy.wisc.edu/library/UW-1210> (<https://policy.wisc.edu/library/UW-1210/>).

Assessments and Examinations No formal examination required.

Language Requirements No language requirements.

### REQUIRED COURSES

Code	Title	Credits
<b>Core Courses</b>		
CIV ENGR 820	Hydraulics and Applied Fluid Mechanics for Environmental Engineers	3
CIV ENGR 823	Environmental Engineering Design Project	3
CIV ENGR 929	Seminar-Environmental Engineering	1
Take at least two of the following three courses		6-9
CIV ENGR 721	Biological Principles of Environmental Engineering	
CIV ENGR 722	Chemical Principles of Environmental Engineering	
CIV ENGR 723	Energy Principles of Environmental Engineering	
Take at least one of the following two courses		3-6
CIV ENGR 821	Environmental Engineering: Biological Treatment Processes	
CIV ENGR 822	Environmental Engineering: Physical/Chemical Treatment Process	
<b>Electives</b>		
Other courses may be applicable with faculty advisor approval		
CIV ENGR 320	Environmental Engineering	3
CIV ENGR 414	Hydrologic Design	3
CIV ENGR 423	Air Pollution Effects, Measurement and Control	3
CIV ENGR 426	Design of Wastewater Treatment Plants	3
CIV ENGR 427	Solid and Hazardous Wastes Engineering	3
CIV ENGR 428	Water Treatment Plant Design	3
CIV ENGR 522	Hazardous Waste Management	3
CIV ENGR 525	Case Studies Exploring Infrastructure Sustainability and Climate Change	3

CIV ENGR 621	Biological Treatment Process Modeling	1
CIV ENGR 629	Special Topics in Environmental Engineering	1-3
CIV ENGR 699	Independent Study	1-6
CIV ENGR 729	Environmental Sustainability Tools	3
E P D 690	Special Topics in Engineering Professional Development	1-3
E P D 701	Writing for Professionals	1
E P D 702	Professional Presentations	1
E P D 708	Creating Breakthrough Innovations	1
<b>Total Credits</b>		<b>30</b>

Students in this program may not take courses outside the prescribed curriculum without faculty advisor and program director approval. Students in this program cannot enroll concurrently in other undergraduate or graduate degree programs.