MINIMUM GRADUATE SCHOOL REQUIREMENTS

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

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

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

**Core Courses**

- **CIV ENGR 820**: Hydraulics and Applied Fluid Mechanics for Environmental Engineers (3 credits)
- **CIV ENGR 823**: Environmental Engineering Design Project (3 credits)
- **CIV ENGR 929**: Seminar-Environmental Engineering (1 credit)

Take at least two of the following three courses (6-9 credits):

- **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 credits):

- **CIV ENGR 821**: Environmental Engineering: Biological Treatment Processes
- **CIV ENGR 822**: Environmental Engineering: Physical/Chemical Treatment Process

**Electives**

Other courses may be applicable with faculty advisor approval

- **CIV ENGR 320**: Environmental Engineering (3 credits)
- **CIV ENGR 414**: Hydrologic Design (3 credits)
- **CIV ENGR 423**: Air Pollution Effects, Measurement and Control (3 credits)
- **CIV ENGR 426**: Design of Wastewater Treatment Plants (3 credits)
- **CIV ENGR 427**: Solid and Hazardous Wastes Engineering (3 credits)
- **CIV ENGR 428**: Water Treatment Plant Design (3 credits)
- **CIV ENGR 522**: Hazardous Waste Management (3 credits)
- **CIV ENGR 525**: Case Studies Exploring Infrastructure Sustainability and Climate Change (3 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/).

Overall GPA Requirement: 3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy (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/).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIV ENGR 621</td>
<td>Biological Treatment Process Modeling</td>
<td>1</td>
</tr>
<tr>
<td>CIV ENGR 629</td>
<td>Special Topics in Environmental Engineering</td>
<td>1-3</td>
</tr>
<tr>
<td>CIV ENGR 699</td>
<td>Independent Study</td>
<td>1-6</td>
</tr>
<tr>
<td>CIV ENGR 729</td>
<td>Environmental Sustainability Tools</td>
<td>3</td>
</tr>
<tr>
<td>E P D 690</td>
<td>Special Topics in Engineering Professional Development</td>
<td>1-3</td>
</tr>
<tr>
<td>E P D 701</td>
<td>Writing for Professionals</td>
<td>1</td>
</tr>
<tr>
<td>E P D 702</td>
<td>Professional Presentations</td>
<td>1</td>
</tr>
<tr>
<td>E P D 708</td>
<td>Creating Breakthrough Innovations</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits** 30

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.