ENVIRONMENTAL
CHEMISTRY AND
TECHNOLOGY, MS

REQUIREMENTS

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.

MAJOR 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>Yes</td>
<td>No</td>
<td>No</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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Credit Requirement</td>
<td>30 credits</td>
</tr>
<tr>
<td>Minimum Residence Credit Requirement</td>
<td>16 credits</td>
</tr>
</tbody>
</table>
| Minimum Graduate Coursework Requirement | 15 credits; 50% must be graduate-level coursework. Refer to the
Graduate School: Minimum Graduate Coursework (50%) Requirement
policy: https://policy.wisc.edu/library/UW-1244. |

Overall: 30 credits required.
Graduate GPA: Refer to the Graduate School: Grade Point Average
(GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203.
Other Grade Requirements: Students must earn a B or above in courses counting
toward degree requirements.
Assessments and Examinations: The thesis pathway requires a formal thesis.
Language: No language requirements.

REQUIRED COURSES

Students are required to develop a plan of courses with their
advisor. Additional courses beyond the core courses may be included
with approval of the student’s academic advisor and the approval of the
Environmental Chemistry and Technology Academic Planning Committee.

Note that CIV ENGR 500 Water Chemistry or an equivalent advanced
Environmental Chemistry course, is a prerequisite for many of the core
Environmental Chemistry and Technology courses. If these requirements
have not been met prior to entering the program, this should be
considered when planning the coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIV ENGR 703</td>
<td>Environmental Inorganic Chemistry</td>
<td>1-3</td>
</tr>
<tr>
<td>or GEO SCI 875</td>
<td>Advanced Topics in Geology</td>
<td></td>
</tr>
<tr>
<td>CIV ENGR/ M&amp;ENVTOX/ SOIL SCI 631</td>
<td>Toxicants in the Environment: Sources, Distribution, Fate, &amp; Effects</td>
<td>3</td>
</tr>
<tr>
<td>or CIV ENGR 704</td>
<td>Environmental Chemical Kinetics</td>
<td></td>
</tr>
<tr>
<td>CIV ENGR/ ATM OCN 701</td>
<td>The Chemistry of Air Pollution</td>
<td>2-3</td>
</tr>
<tr>
<td>or CHEM 629</td>
<td>Atmospheric Chemical Mechanisms</td>
<td></td>
</tr>
<tr>
<td>CIV ENGR 609</td>
<td>Special Topics in Water Chemistry (Advanced Water Analysis topic)</td>
<td>3</td>
</tr>
<tr>
<td>or CIV ENGR 629</td>
<td>Special Topics in Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>CIV ENGR 909</td>
<td>Graduate Seminar - Environmental Chemistry &amp; Technology</td>
<td>1</td>
</tr>
<tr>
<td>or CIV ENGR/ ATM OCN/ BOTANY/ ENVIR ST/ GEO SCI/ ZOOLOGY 911</td>
<td>Limnology and Marine Science Seminar</td>
<td></td>
</tr>
</tbody>
</table>

CIV ENGR 790 | Master’s Research or Thesis | 4 |

Total Credits | 30 |

1 Students must enroll in CIV ENGR 909 Graduate Seminar -
Environmental Chemistry & Technology or CIV ENGR/ATM OCN/
BOTANY/ENVIR ST/GEO SCI/ZOOLOGY 911 Limnology and Marine
Science Seminar each semester. PhD students are required to present a seminar at least once during their master's program.  

2 Students must complete a minimum of 4 research credits of CIV ENGR 790 Master's Research or Thesis with their faculty advisor. If supported with a graduate assistantship (TA, RA, PA), students should enroll in the appropriate number of research credits each semester to achieve full-time status as required by credit-load rules.