ENVIRONMENTAL ENGINEERING - PROFESSIONAL MASTER OF SCIENCE (MSENV)

The professional master’s degree (MSENV) in environmental engineering is a coursework-only program that offers possibilities for a range of prospective students.

Whether a prospective student is a working engineer or an undergraduate considering widening their exposure to areas of environmental engineering, we have program options to meet their needs.

For more information, visit the department's Curriculum and Courses (http://www.colorado.edu/even/prospective-students/graduate-studies/curriculum-and-courses) webpage.

Requirements

General Requirements

The following course requirements are subject to change; for the most current information, visit the department’s Curriculum and Courses (http://www.colorado.edu/even/prospective-students/graduate-studies/curriculum-and-courses) webpage.

The professional master's degree requires 30 credit hours of graduate-level courses with a minimum cumulative GPA of 3.00.

For students who have undertaken prior graduate study, up to 9 semester credit hours of relevant graduate-level course work may be transferred to meet the course requirements for the MSENV degree, following the rules established by the Graduate School for transfer credit.

Program Tracks

General Environmental Engineering Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVEN 5464</td>
<td>Environmental Engineering Processes</td>
<td>3</td>
</tr>
<tr>
<td>CVEN 5404</td>
<td>Water Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>or CHEM 5151</td>
<td>Atmospheric Chemistry</td>
<td></td>
</tr>
<tr>
<td>CVEN 5484</td>
<td>Applied Microbiology and Toxicology</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Choose one of the following: 3

<table>
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<tr>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>CVEN 5524</td>
<td>Drinking Water Treatment</td>
<td></td>
</tr>
<tr>
<td>CVEN 5534</td>
<td>Wastewater Treatment</td>
<td></td>
</tr>
<tr>
<td>CVEN 5474</td>
<td>Hazardous and Industrial Waste Management</td>
<td></td>
</tr>
<tr>
<td>CVEN 5554</td>
<td>Fundamentals of Air Quality Management</td>
<td></td>
</tr>
<tr>
<td>MCEN 5131</td>
<td>Air Pollution Control Engineering</td>
<td></td>
</tr>
</tbody>
</table>

Choose one additional elective in consultation with the student’s faculty advisor. 3

Choose five additional electives in consultation with the student’s faculty advisor. 15

Total Credit Hours 30

Global Environmental Engineering Track

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<tr>
<td>CVEN 5919</td>
<td>Sustainable Community Development 1</td>
<td>3</td>
</tr>
<tr>
<td>CVEN 5939</td>
<td>Sustainable Community Development Field Practicum</td>
<td>3</td>
</tr>
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Global Engineering Series

Pick 3 of 6 credits from WASH or Household Energy Series 3
Pick 6 credits from remaining Global Engineering Series 6

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Choose one additional elective in consultation with the student’s faculty advisor. 3

1 Global Engineering Series course options can be found on the Mortenson Center website (https://www.colorado.edu/center/mortenson/graduate-education/professional-masters-degrees).