Environmental Engineering involves designing environmental protection or remediation strategies for multiple resources—water, air, and soil, often with combinations of physical, chemical, and biological treatment methods in the context of a complex regulatory framework. The goal of the Environmental Engineering curriculum is to prepare graduates with a strong basic science background, particularly in chemistry and biology, and to provide students with a broad exposure to several environmental engineering science disciplines. Courses relating to transport processes, water quality control, air quality control, and process design are included in the core.

Sample Program of Study

### Freshmen Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2A</td>
<td>MATH 2B</td>
<td>MATH 2D</td>
</tr>
<tr>
<td>ENGR 1A</td>
<td>CHEM 1B</td>
<td>CHEM 1C+1IC</td>
</tr>
<tr>
<td>GENERAL ED</td>
<td>PHYSICS 7C+7LC</td>
<td>PHYSICS 7D+7LD</td>
</tr>
<tr>
<td>ENGR 7A*</td>
<td>ENGR 7B*</td>
<td>ENGRCEE 81A</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>MATH 3A</td>
<td>MATH 3D</td>
<td>MATH 2E</td>
</tr>
<tr>
<td>ENGRCEE 20</td>
<td>ENGRCEE 11</td>
<td>ENGRCEE 21</td>
</tr>
<tr>
<td>ENGRSEE 30</td>
<td>ENGRCEE 81B</td>
<td>ENGRMAE 91</td>
</tr>
<tr>
<td>CHEM 51A+1LD</td>
<td>GENERAL ED</td>
<td>ENGRCEE 40</td>
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### Junior Year

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<tr>
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<th>Spring</th>
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<tbody>
<tr>
<td>ENGRCEE 150+150L</td>
<td>ENGRCEE 130+130L</td>
<td>ENGRCEE 110</td>
</tr>
<tr>
<td>ENGRCEE 170</td>
<td>ENGRCEE 162</td>
<td>ENGRCEE 160</td>
</tr>
<tr>
<td>ENGR 190W</td>
<td>ENGR ELECTIVE</td>
<td>BASIC SCIENCE</td>
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<tr>
<td>BASIC SCIENCE</td>
<td>LOW DIV ELEC</td>
<td>GENERAL ED</td>
</tr>
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</table>

### Senior Year

<table>
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<tr>
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<th>Winter</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>ENGRCEE 181A</td>
<td>ENGRCEE 181B</td>
<td>ENGRCEE 181C</td>
</tr>
<tr>
<td>ENGR ELECTIVE</td>
<td>ENGR ELECTIVE</td>
<td>ENGR ELECTIVE</td>
</tr>
<tr>
<td>GENERAL ED</td>
<td>ENGR ELECTIVE</td>
<td>GENERAL ED</td>
</tr>
<tr>
<td>GENERAL ED</td>
<td>ENGR ELECTIVE</td>
<td>GENERAL ED</td>
</tr>
</tbody>
</table>

*Engr 7A & 7B optional courses can count towards 1 Lower Div Engr Elective

Note: Course offerings subject to change. Courses subject to prerequisite requirements.

### Undergraduate Research Opportunities

- Independent Study (199 course)
- Student Project Examples
  - Hoover Dam’s Environmentally Sustainable Energy Storage Solution
  - Multi-functional Solar Updraft Tower
  - Modesto Storm Water Project
- Additional student projects can be found on projects.eng.uci.edu
- Undergraduate Research Opportunities Program (UROP)

### Potential Research Areas

- Water
- Hydrology
- Hydrometeorology
- Remote Sensing
- Sustainable Build
- Natural Environment
- Transportation Driven Pollution Control

### Connect with Industry

- Handshake: Job & Internship Search Tool: career.uci.edu/students/zotlink.html
- Find Employers based on major career.uci.edu/students/undergraduate/find-an-internship/buzzfile-company-search-tool/
- Career Fairs: career.uci.edu/students/career-fairs.html
  - Fall STEM Career Fair
  - Fall Career Fair
  - Winter Internship & Career Fair
  - Winter E-Week EngiTECH Career Fair
  - Spring Career Fair

Undergraduate Student Affairs Office | 305 Rockwell Engineering Center
949-824-4334 | uengr@uci.edu | engineering.uci.edu

For more details on major requirements go to: http://catalogue.uci.edu

For more on Engineering Clubs and Orgs visit: http://engineering.uci.edu/current/undergraduate/clubs-and-organizations