## COURSE LISTS

### Approved Technical Electives

Additional courses may be chosen with departmental approval.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CH E 5163</td>
<td>Heterogeneous Catalysis</td>
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<tr>
<td>CH E 5223</td>
<td>Refining Principles</td>
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<td>CH E 5453</td>
<td>Polymer Science and Engineering</td>
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<td>CH E 5533</td>
<td>Materials Design for Energy Application</td>
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<td>CH E 5133</td>
<td>Water Sustainability</td>
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<tr>
<td>AME 4013</td>
<td>Introduction to Medical Device Design</td>
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<tr>
<td>BIOL 3463</td>
<td>Water and Ecological Sustainability</td>
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<td>CEES 5933</td>
<td>Climate Change and Water Sustainability</td>
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<td>ENGR 4513</td>
<td>Introduction to Sustainable Engineering</td>
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<tr>
<td>ENST 3503</td>
<td>Energy Use, Climate Change, and the Environment</td>
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<td>GEOG 4523</td>
<td>Life Cycle Analysis</td>
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<td>Energy Systems and Sustainability</td>
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<td>GEOG 5433</td>
<td>Sustainability: Theory and Practice</td>
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<td>M BIO 4723</td>
<td>Biocatalysis and Bioremediation</td>
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<td>METR 4553</td>
<td>Climate and Renewable Energy</td>
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### Approved Gen Ed Electives

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<tr>
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<td><strong>Core III Approved Courses</strong></td>
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<td>ENST 1013</td>
<td>Consumption and the Environment</td>
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<td>GEOG 1203</td>
<td>Global Environmental Issues</td>
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<td>Gender and Environment</td>
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<td>Science, Nature and Society: Historical Perspectives</td>
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<td>Social and Ethical Issues in Science, Technology, Environment and Medicine</td>
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<td>Environmental History of Latin America</td>
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