# Bachelor of Science in Environmental Sample Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Units</th>
<th>Spring Units</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
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<tr>
<td>Physics I, II (Physics 191, 192)</td>
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<tr>
<td>Physics I Laboratory (Physics 191L)</td>
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<tr>
<td>General Chemistry I or Introductory</td>
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<tr>
<td>General Chemistry I (Chem 111A or Chem 105) (111A Recommended)</td>
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<td>General Chemistry Laboratory I, II (Chem 151, 152)</td>
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<tr>
<td>Calculus II, III (Math 132, 233)</td>
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<tr>
<td>Introduction to Energy, Environmental and Chemical Engineering (EECE 101)</td>
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<td>Physics II Laboratory (Physics 192L)</td>
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<td>General Chemistry II or Introductory</td>
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<tr>
<td>Introduction to Computer Science (CSE 131)</td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td>Process Analysis and Thermodynamics (EECE 205)</td>
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<tr>
<td>Organic Chemistry I with Lab (Chem 261)</td>
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<tr>
<td>Differential Equations (Math 217)</td>
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<td>Humanities/social sciences elective</td>
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<td>Environmental humanities and social sciences elective</td>
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<tr>
<td>Engineering Mathematics A (ESE 318)</td>
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<tr>
<td>Computational Modeling in Energy, Environmental and Chemical Engineering (EECE 202)</td>
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<tr>
<td>Thermodynamics II in EECE (EECE 204)</td>
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<tr>
<td>Introduction to Environmental Engineering (EECE 210)</td>
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<tr>
<td>Transport Phenomena I: Basics and Fluid Mechanics (EECE 301)</td>
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<tr>
<td><strong>Third Year</strong></td>
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<tr>
<td>Environmental Engineering Fate and Transport (EECE 309)</td>
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<td>Green Engineering (EECE 311)</td>
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<td>Air Quality Engineering with Lab (EECE 314)</td>
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<td>Probability and Statistics for Engineering (ESE 326)</td>
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<td>Environmental Engineering Laboratory (EECE 425)</td>
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<td>Technical Writing (Engr 310)</td>
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<td>Principles of Biology I (Biol 2960)</td>
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<td>Physical and Chemical Processes for Water Treatment (EECE 533)</td>
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<td><strong>Fourth Year</strong></td>
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<tr>
<td>Process Design, Economics and Simulation (EECE 409)</td>
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<td>Environmental Biotechnology (EECE 407)</td>
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<td>Engineering Ethics and Sustainability (Engr 4501)</td>
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<td>Engineering Leadership and Team Building (Engr 4502)</td>
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<td>Aquatic Chemistry or Environmental Organic Chemistry (EECE 505 or EECE 531) (Environmental chemistry elective)</td>
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<td>Conflict Management and Negotiation (Engr 4503)</td>
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<td>Environmental Engineering Capstone (EECE 404)</td>
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<td><strong>Total</strong></td>
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