### FIRST YEAR

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong> (15 cr)</td>
<td>ENGR 100 The Oregon State Engineering Student</td>
<td>F,W,S (3)</td>
</tr>
<tr>
<td></td>
<td>ENGR 102 Design Engineering and Problem Solving</td>
<td>F,W,S (3)</td>
</tr>
<tr>
<td></td>
<td>CH 231/261 Chemistry</td>
<td>F,W (4/1)</td>
</tr>
<tr>
<td></td>
<td>MTH 251 Differential Calculus</td>
<td>F,W,S (4)</td>
</tr>
<tr>
<td></td>
<td>WR 121 English Composition</td>
<td>F,W,S (4)</td>
</tr>
<tr>
<td><strong>Winter</strong> (15 cr)</td>
<td>CH 231/261 Chemistry</td>
<td>W,S (4/1)</td>
</tr>
<tr>
<td></td>
<td>MTH 252 Integral Calculus</td>
<td>F,W,S (4)</td>
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<tr>
<td></td>
<td>COMM 111/114 Speech</td>
<td>F,W,S (3)</td>
</tr>
<tr>
<td><strong>Spring</strong> (16 cr)</td>
<td>MTH 254 Vector Calculus</td>
<td>F,W,S (4)</td>
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<td></td>
<td>PH 211 Physics w/ Calculus</td>
<td>F,W,S (4)</td>
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<td>MTH 251 &amp; MTH 252 (co)</td>
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</tbody>
</table>

### SECOND YEAR

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong> (14 cr)</td>
<td>ENGR 102 Design Engineering and Problem Solving</td>
<td>F,W,S (3)</td>
</tr>
<tr>
<td></td>
<td>MTH 251 Differential Calculus</td>
<td>F,W,S (4)</td>
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<td>WR 121 English Composition</td>
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<tr>
<td><strong>Winter</strong> (16 cr)</td>
<td>CH 232/262 Chemistry</td>
<td>F,S (4/1)</td>
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<td>MTH 252 Differential Calculus</td>
<td>F,W,S (4)</td>
</tr>
<tr>
<td><strong>Spring</strong> (15-16 cr)</td>
<td>PH 212 Physics w/ Calculus</td>
<td>F,W,S (4)</td>
</tr>
<tr>
<td></td>
<td>MTH 252 &amp; MTH 254 (co)</td>
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</tr>
</tbody>
</table>

### Notes:
1. F,W,S: Represents the term the course is offered (Fall, Winter, Spring)
2. (_): Represents the credits of the course
3. Arrows: Represents prerequisites and co-requisites for that course
4. * MTH 254 + MTH 265 was formerly offered as MTH 306
5. # Fulfills Social Processes & Institutions baccalaureate core category
6. ^ Fulfills either a Perspectives or Synthesis baccalaureate core category, dependent on course chosen

### Credits to graduate = 180
ECOLOGICAL ENGINEERING (Recommended)

Academic Year: 2021-2022

THIRD YEAR

Fall (16 cr)

BEE 320 Systems Anal. Model. F (4)
BEE 322 EcoE Thermo & Transfer Proces W (4)
BEE 311 Fluid Mechanics F (4)
MTH 112

Winter (14 cr)

BEE 322 EcoE Thermo & Transfer Proces W (4)
BEE 312 Ecohydraulics W (4)
FE 208 Forest Surveying F (4)

Spring (14 cr)

BEE 361 EcoE Lab Course S (3)
BEE 313 Ecohydrology S (4)
Science Elective* F,W,S (3)

FOURTH YEAR

Fall (15 cr)

BEE 481 EcoE Design I F (4)
BEE 362 EcoE Microbial Processes S (3)
Science Elective* F,W,S (3)

Winter (16 cr)

BEE 482 EcoE Design II W (3)
BEE 415 Professional Dev. Seminar F (1)
Science Elective* F,W,S (3)

Spring (14 cr)

BEE 483 EcoE Design III S (2)
BEE 469 (co) F (1)
Science Elective* F,W,S (3)

Notes:
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3. Arrows: Represents prerequisites and co-requisites for that course
4. * Must take a minimum of 23 credits of upper division science and engineering electives (min. 13 engineering credits and min. 10 science credits)