ECOLOGICAL ENGINEERING (Recommended)

Academic Year: 2022-2023

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall (15 cr)</th>
<th>Winter (15 cr)</th>
<th>Spring (16 cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGR 100</strong> The Oregon State Engineering Student</td>
<td><strong>ENGR 102</strong> Design Engineering and Problem Solving</td>
<td><strong>ENGR 103</strong> Engineering Computation and Algorithmic Thinking</td>
</tr>
<tr>
<td><strong>CH 231/261</strong> Chemistry</td>
<td><strong>CH 232/262</strong> Chemistry</td>
<td><strong>CH 233/263</strong> Chemistry</td>
</tr>
<tr>
<td><strong>MTH 251</strong> Differential Calculus</td>
<td><strong>MTH 252</strong> Integral Calculus</td>
<td><strong>MTH 254</strong> Vector Calculus</td>
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<tr>
<td><strong>WR 121</strong> English Composition</td>
<td><strong>COMM 111/114</strong> Speech</td>
<td><strong>PH 211</strong> Physics w/ Calculus</td>
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<td><strong>MTH 111</strong></td>
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<td><strong>MTH 251 &amp; MTH 252 (co)</strong></td>
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<td><strong>MTH 251</strong></td>
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<td><strong>MTH 252</strong></td>
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**SECOND YEAR**

<table>
<thead>
<tr>
<th>Fall (14 cr)</th>
<th>Winter (16 cr)</th>
<th>Spring (15-16 cr)</th>
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</thead>
<tbody>
<tr>
<td><strong>BEE 270</strong> EcoE Ecology</td>
<td><strong>BEE 221</strong> EcoE Fundamentals</td>
<td><strong>BEE 222</strong> EcoE Computation</td>
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<tr>
<td><strong>HHS 231</strong> Lifetime Fitness</td>
<td><strong>ENGR 211</strong> Strength of Materials</td>
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<td><strong>ST 314</strong> Statistics for Engineers</td>
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<td><strong>ETHICS</strong></td>
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<tr>
<td><strong>WR 327</strong> Technical Report Writing</td>
<td><strong>AEC 250</strong> Intro. Environ. Econ. &amp; Policy</td>
<td></td>
</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)

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THIRD YEAR

Fall (16 cr)
- BEE 322: EcoE Thermo & Transfer Proces W (4)
- BEE 311: Fluid Mechanics F (4)
- FE 208: Forest Surveying F (4)
- MTH 112
- SOIL 205/206: Principles of Soil Science F,W,S (3/1)

Winter (14 cr)
- BEE 322: EcoE Thermo & Transfer Proces W (4)
- BEE 312: Ecohydrology S (4)
- Science Elective* F,W,S (3)

Spring (14 cr)
- BEE 313: Ecohydrology S (4)
- BEE 362: EcoE Microbial Processes S (3)
- Science Elective* F,W,S (4)

FOURTH YEAR

Fall (15 cr)
- BEE 361: EcoE Lab Course S (3)
- BEE 415: Professional Dev. Seminar F (1)
- BEE 468: Bioremediation W (4)
- Science Elective* F,W,S (3)

Winter (16 cr)
- BEE 481: EcoE Design I F (4)
- BEE 482: EcoE Design II W (3)
- BEE 483: EcoE Design III S (2)
- Engineering Elective* F,W,S (3)

Spring (14 cr)
- BEE 311: Fluid Mechanics F (4)
- BEE 312: Ecohydrology S (4)
- BEE 362: EcoE Microbial Processes S (3)
- Perspectives F,W,S (3)

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1. F,W,S: Represents the term the course is offered (Fall, Winter, Spring)
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4. * Must take a minimum of 23 credits of upper division science and engineering electives (min. 13 engineering credits and min. 10 science credits)

Updated: 4/27/22