ECOLOGICAL ENGINEERING (Recommended)

Academic Year: 2021-2022

FIRST YEAR

Fall (15 cr)  |  Winter (15 cr)  |  Spring (16 cr)
---|---|---
ENGR 100  |  ENGR 102  |  ENGR 103
The Oregon State Engineering Student  |  Design Engineering and Problem Solving  |  Engineering Computation and Algorithmic Thinking

MTH 112  |  CH 231/261  |  CH 232/262
Differential Calculus  |  Chemistry  |  Chemistry

MTH 251  |  MTH 252  |  MTH 254
Integral Calculus  |  Vector Calculus  |  + Lab

WR 121  |  COMM 111/114  |  PH 211
English Composition  |  Speech  |  Physics w/ Calculus

ENGR 102 & MTH 112 (co)

SECOND YEAR

Fall (14 cr)  |  Winter (16 cr)  |  Spring (15-16 cr)
---|---|---
BEE 270  |  BEE 221  |  BEE 222
EcoE Ecology  |  EcoE Fundamentals  |  EcoE Computation
F (3)  |  W (3)  |  S (2)

MTH 252  |  MTH 254 (co)
|  HHS 231
|  Strength of Materials
|  F,W,S (3)

MTH 252 & MTH 254 (co)

ST 314  |  MTH 264 + MTH 265*
Statistics for Engineers  |  Intros to Matrix Algebra and Series
F,W,S (3)  |  F,W,S (2+2)

PH 212  |  PH 213
Physics w/ Calculus  |  Physics w/ Calculus
F,W,S (4)  |  F,W,S (4)

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**

<table>
<thead>
<tr>
<th>Fall (16 cr)</th>
<th>Winter (14 cr)</th>
<th>Spring (14 cr)</th>
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</thead>
<tbody>
<tr>
<td>BEE 320 Systems Anal. Model.</td>
<td>F (4)</td>
<td>BEE 322 EcoE Thermo &amp; Transfer Proces</td>
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<tr>
<td>BEE 311 Fluid Mechanics</td>
<td>F (4)</td>
<td>BEE 312</td>
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<tr>
<td>FE 208 Forest Surveying</td>
<td>F (4)</td>
<td>MTH 112</td>
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<tr>
<td>BEE 313 Ecohydrology</td>
<td>S (4)</td>
<td>Science Elective*</td>
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**FOURTH YEAR**

<table>
<thead>
<tr>
<th>Fall (15 cr)</th>
<th>Winter (16 cr)</th>
<th>Spring (14 cr)</th>
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</thead>
<tbody>
<tr>
<td>BEE 481 EcoE Design I</td>
<td>F (4)</td>
<td>BEE 482 EcoE Design II</td>
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<tr>
<td>BEE 415 Professional Dev. Seminar</td>
<td>F (1)</td>
<td>BEE 483 EcoE Design III</td>
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<tr>
<td>BEE 468 Bioremediation</td>
<td>W (4)</td>
<td>BEE 469 (co)</td>
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<tr>
<td>Engineering Elective*</td>
<td>F,W,S (3)</td>
<td>Perspectives</td>
</tr>
<tr>
<td>BEE 362 EcoE Microbial Processes</td>
<td>S (3)</td>
<td>Perspectives</td>
</tr>
<tr>
<td>BEE 469 (co)</td>
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</tbody>
</table>

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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. * Must take a minimum of 23 credits of upper division science and engineering electives (min. 13 engineering credits and min. 10 science credits)