**Forest Engineering & Civil Engineering Double Degree**

http://www.forestry.oregonstate.edu/academic-programs/undergraduates/forest-engineering-civil-engineering

<table>
<thead>
<tr>
<th>Forest/Civil Engineering Major Requirements</th>
<th>OSU Course</th>
<th>Blue Mountain CC Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil &amp; Construction Engineering Orientation</td>
<td>CCE 101</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering II: Engineering Graphics &amp; Design</td>
<td>CCE 201</td>
<td></td>
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<tr>
<td>Chemistry for Engineering Majors I</td>
<td>CH 201</td>
<td></td>
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<tr>
<td>Chemistry for Engineering Majors II with Lab</td>
<td>CH 202 &amp; CH 205</td>
<td></td>
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<tr>
<td>Public Speaking or Argument &amp; Critical Discourse</td>
<td>COMM 111* or COMM 114*</td>
<td>COMM 111</td>
</tr>
<tr>
<td>Intro to Microeconomics</td>
<td>ECON 201*</td>
<td>ECON 201</td>
</tr>
<tr>
<td>Statics</td>
<td>ENGR 211</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Dynamics</td>
<td>ENGR 212</td>
<td>ENGR 261</td>
</tr>
<tr>
<td>Strength of Materials</td>
<td>ENGR 213</td>
<td>ENGR 235</td>
</tr>
<tr>
<td>Intro to Forest Engineering</td>
<td>FE 101</td>
<td></td>
</tr>
<tr>
<td>Forest Engineering Problem Solving &amp; Technology</td>
<td>FE 102</td>
<td></td>
</tr>
<tr>
<td>Forest Surveying</td>
<td>FE 208</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Forest Photogrammetry</td>
<td>FE 209</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>GIS &amp; Forest Engineering Applications</td>
<td>FE 257</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Dendrology</td>
<td>FES 241</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Forest Biology</td>
<td>FES 240*</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>Differential Calculus</td>
<td>MTH 251*</td>
<td>MTH 251</td>
</tr>
<tr>
<td>Integral Calculus</td>
<td>MTH 252</td>
<td>MTH 252</td>
</tr>
<tr>
<td>Vector Calculus</td>
<td>MTH 254</td>
<td>MTH 254</td>
</tr>
<tr>
<td>Applied Differential Equations</td>
<td>MTH 256</td>
<td>MTH 256</td>
</tr>
<tr>
<td>Matrix &amp; Power Series Methods</td>
<td>MTH 306</td>
<td>MTH 253 and MTH 261</td>
</tr>
<tr>
<td>General Physics I with Calculus</td>
<td>PH 211*</td>
<td>PH 211</td>
</tr>
<tr>
<td>General Physics II with Calculus</td>
<td>PH 212</td>
<td>PH 212</td>
</tr>
<tr>
<td>General Physics III with Calculus</td>
<td>PH 213</td>
<td>PH 213</td>
</tr>
<tr>
<td>Soil Science</td>
<td>SOIL 205*</td>
<td></td>
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<tr>
<td>Soil Science Lab</td>
<td>FOR 206*</td>
<td></td>
</tr>
<tr>
<td>Intro to Statistics for Engineers</td>
<td>ST 314</td>
<td>Available online at OSU</td>
</tr>
<tr>
<td>English Composition</td>
<td>WR 121*</td>
<td>WR 121</td>
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</tbody>
</table>

In addition to courses that fulfill the Forest & Civil Engineering major requirements, students should be completing courses to fulfill OSU's Baccalaureate Core (general education curriculum). Major requirements that fulfill Baccalaureate Core are marked with an asterisk (*).

Forest Engineering and Civil Engineering include professional programs (the junior and senior years) which require special applications. Prospective students should work with OSU College of Forestry staff for assistance in navigating that process successfully.

**OSU Contact:** College of Forestry Student Services  
541-737-1594  
studyforestry@oregonstate.edu

Updated 8/3/17 NK
Blue Mountain Community College courses that fulfill OSU’s Baccalaureate Core requirements: [http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-blue-mountain-community-college](http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-blue-mountain-community-college)

<table>
<thead>
<tr>
<th>OSU Baccalaureate Core (Complete one course from each category)</th>
<th>OSU Course</th>
<th>Transfer Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing I</td>
<td>WR 121 English Composition</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Writing II</td>
<td>WR 327</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Speech</td>
<td>COMM 111 Public Speaking</td>
<td>Fulfilled by major requirements</td>
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<td></td>
<td>COMM 114 Argument &amp; Critical Discourse</td>
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<tr>
<td>Mathematics</td>
<td>MTH 105 or higher</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Fitness</td>
<td>HHS 231 Lifetime Fitness for Health</td>
<td>HPE 295</td>
</tr>
<tr>
<td></td>
<td>HHS 241 Lifetime Fitness</td>
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</tr>
<tr>
<td>Physical Science with Lab</td>
<td>SOIL 205 &amp; FOR 206</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Biological Science with Lab</td>
<td>FES 240</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Additional Science with Lab</td>
<td>PH 211</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Western Culture</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Cultural Diversity</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Literature &amp; Arts</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Social Processes &amp; Institutions</td>
<td>ECON 201</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Difference, Power, Discrimination</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Contemporary Global Issues</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
<tr>
<td>Science, Technology, Society</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
<tr>
<td>Writing Intensive Course – major specific</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
</tbody>
</table>