

Forest Engineering & Civil Engineering Double Degree

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

| Forest/Civil Engineering Major Requirements | OSU Course | Grays Harbor CC Course |
|-----------------------------------------------------|---------------------------|----------------------------------------------------------|
| Civil & Construction Engineering Orientation | CCE 101 | ENGR& 104 |
| Civil Engineering II: Engineering Graphics & Design | CCE 201 | |
| Chemistry for Engineering Majors I | CH 201 | |
| Chemistry for Engineering Majors II with Lab | CH 202 & CH 205 | |
| Public Speaking or Argument & Critical Discourse | COMM 111* or COMM 114* | SPCH 101 |
| Intro to Microeconomics | ECON 201* | ECON& 201 |
| Statics | ENGR 211 | ENGR& 214 |
| Dynamics | ENGR 212 | ENGR& 215 |
| Strength of Materials | ENGR 213 | ENGR& 225 |
| Intro to Forest Engineering | FE 101 | ENGR& 104 |
| Forest Engineering Problem Solving & Technology | FE 102 | |
| Forest Surveying | FE 208 | |
| Forest Photogrammetry | FE 209 | Available online at OSU |
| GIS & Forest Engineering Applications | FE 257 | NR 110 and NR 250 or Available online at OSU |
| Tree & Shrub Identification | FES 141 | NR 131 |
| Forest Biology | FES 240* | NR 150, NR 160, and NR 270 or Available online at OSU |
| Soil Science Lab | FOR 206* | |
| Differential Calculus | MTH 251* | MATH& 151 |
| Integral Calculus | MTH 252 | MATH& 152 |
| Vector Calculus | MTH 254 | MATH& 163 |
| Applied Differential Equations | MTH 256 | MATH 241 |
| Matrix & Power Series Methods | MTH 306 | |
| General Physics I with Calculus | PH 211* | PHYS& 221 |
| General Physics II with Calculus | PH 212 | PHYS& 222 |
| General Physics III with Calculus | PH 213 | PHYS& 223 |
| Soil Science | SOIL 205* | |
| Intro to Statistics for Engineers | ST 314 | |
| English Composition | WR 121* | ENGL& 101 |

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.

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