



**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	Tillamook Bay CC Course
Civil & Construction Engineering Orientation	CCE 101	
Civil Engineering II: Engineering Graphics & Design	CCE 201	
Chemistry for Engineering Majors I	CH 201	CH 221
Chemistry for Engineering Majors II with Lab	CH 202 & CH 205	CH 222
Public Speaking or Argument & Critical Discourse	COMM 111* or COMM 114*	COMM 111 or COMM 112
Intro to Microeconomics	ECON 201*	EC 201
Statics	ENGR 211	Available online at OSU
Dynamics	ENGR 212	Available online at OSU
Strength of Materials	ENGR 213	Available online at OSU
Intro to Forest Engineering	FE 101	
Forest Engineering Problem Solving & Technology	FE 102	
Forest Surveying	FE 208	Available online at OSU
Forest Photogrammetry	FE 209	Available online at OSU
GIS & Forest Engineering Applications	FE 257	Available online at OSU
Forest Biology	FES 240*	FOR 240
Dendrology	FES 241	FOR 241
Differential Calculus	MTH 251*	MTH 251
Integral Calculus	MTH 252	MTH 252
Vector Calculus	MTH 254	MTH 254
Applied Differential Equations	MTH 256	Available online at OSU
Matrix & Power Series Methods	MTH 306	
General Physics I with Calculus	PH 211*	
General Physics II with Calculus	PH 212	
General Physics III with Calculus	PH 213	
Soil Science	SOIL 205*	SOIL205
Soil Science Lab and Soils Recitation for Forestry	FOR 206*	SOIL 205 and FOR 208 online at OSU
Intro to Statistics for Engineers	ST 314	Available online at OSU
English Composition	WR 121*	WR 121

*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 on page 2). 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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**OSU Contact:** College of Forestry Student Services  
541-737-1594  
[studyforestry@oregonstate.edu](mailto:studyforestry@oregonstate.edu)

Tillamook Bay Community College courses that fulfill OSU's Baccalaureate Core requirements:

<http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-tillamook-bay-community-college>

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