



Oregon State University

College of Forestry

Transfer Guide: Forest Engineering

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

Forest/Civil Engineering Major Requirements	OSU Course	Umpqua CC Course
Civil Engineering II: Engineering Graphics & Design	CCE 201	DRF 112
Chemistry for Engineering Majors I with Lab	CH 201	CH 221
Public Speaking or Argument & Critical Discourse	COMM 111* or COMM 114*	SP 111 or SP 112
Intro to Microeconomics	ECON 201*	ECON 201
Statics	ENGR 211	ENGR 211
Dynamics	ENGR 212	ENGR 212
Strength of Materials	ENGR 213	ENGR 213
Intro to Forest Engineering	FE 101	ENGR 111
Forest Engineering Problem Solving & Technology	FE 102	FOR/ENGR 112
Forest Surveying	FE 208	FOR/SUR 161
Forest Photogrammetry	FE 209	FOR/SUR 209
GIS & Forest Engineering Applications	FE 257	FOR/GIS 234
Dendrology	FES 241	FOR/NR 241
Forest Biology	FES 240*	FOR/NR 240
Intro to Forestry	FOR 111	FOR/NR 201
Differential Calculus	MTH 251*	MTH 251
Integral Calculus	MTH 252	MTH 252
Vector Calculus	MTH 254	MTH 254
Applied Differential Equations	MTH 256	MTH 256
General Physics I with Calculus	PH 211*	PH 211
General Physics II with Calculus	PH 212	PH 212
Soil Science	SOIL 205*	SOIL 205
Soil Science Lab	FOR 206*	FOR/SOIL 206
Intro to Statistics	ST 201	MTH 243
English Composition	WR 121*	WR 121
Technical Writing	WR 327*	WR 227

The courses above represent the first two years of a four year degree program. Transfer students should expect to complete the remaining course requirements at OSU. In addition to courses that fulfill the Forest 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 includes a professional program (the junior and senior years) which requires a special application. Prospective students should work with OSU College of Forestry staff for assistance in navigating that process successfully.

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

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

OSU Baccalaureate Core (Complete one course from each category)	OSU Course	Transfer Course
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	HPE 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