

# FOREST ENGINEERING & CIVIL ENGINEERING DOUBLE DEGREE<sup>4</sup> OSU ADVISING GUIDE

Prerequisites and Course Availability per Term  
(for complete information, see 2016-2017 UCC Catalog)

REVISED 06/22/16

	UCC Course No. and Course Name	Term Offered				Credits	Prerequisites/Notes
		F	W	S	S		
Term 1	ENGR 111 <sup>2</sup> Engineering Orientation I	x				3	MTH 65
	DRF 112 Computer Aided Drafting (CAD) I	x				3	MTH 65
	FOR/NR 201 Intro to Natural Resources	x				3	
	Elective <sup>1</sup> Arts & Letters and Culture Diversity	x	x	x	x	3	See Advisor - AS requirement
							12
Term 2	FOR/GIS 234 GIS I Intro to Geographic Information Systems		x			4	
	FOR/ENGR 112 Engineering Problem Solving & Technology		x			3	ENGR 111
	WR 121 English Composition: Intro to Argument	x	x	x	x	4	WR 115 or Placement Test
	Elective <sup>1</sup> Arts & Letters and Culture Diversity	x	x	x	x	3	See Advisor - AS requirement
							14
Term 3	FOR/NR 141 Tree & Shrub Identification	x				3	
	SP 111 Public Speaking	x	x	x		4	WR 095
	FOR/SUR 161 Plane Surveying I			x		4	Coreq - MTH 112
	SOIL 205 Soil Science Lecture			x		3	
	FOR/SOIL 206 Soil Science Lab			x		1	
							15
Summer							
Term 4	CH 221 General Chemistry I /Lec/Lab/Rec	x				5	MTH 111
	FOR/NR 240 Forest Biology	x				4	
	MTH 251 Calculus I	x	x			5	MTH 112
							14
Term 5	CH 222 General Chemistry II		x			5	CH 221
	MTH 252 Calculus II		x	x		4	MTH 251
	FOR/SUR 209 Photogrammetry and Intro to Remote Sensing		x			4	MTH 112
							13
Term 6	ECON 201 <sup>1</sup> Economics (Social Science Elective)	x			x	3	WR 121-123 & MTH 111
	MTH 253 Calculus III			x		4	MTH 252
	MTH 261 Linear Algebra			x		2	MTH 111 Algebra
	WR 227 Technical Report Writing	x	x	x	x	4	WR 222
	HPE 295 Wellness & Health	x	x	x	x	3	
							16

OSU Course No.	Credits
FE 101 Introduction to Forestry Engineering	2
CCE 201 Engineering Graphics & Design	3
FOR 111 Introduction to Forestry	2
Perspectives Elective - See Advisor	3
FE 257 GIS & Forestry Engineering Applications	3
FE 102 Forest Engr Problem Solving & Technology	3
WR 121 English Composition	3
Perspectives Elective - See Advisor	3
FES 141 Tree & Shrub Identification	3
COM 111 Public Speaking	3
FE 208 Forestry Surveying	4
SOIL 205 Soil Science Lecture	3
FOR 206 Soil Science Lab	1
CH 201 / CH 231 Lec & CH 261 Lab	4
FES 240 Forest Biology	4
CH 202+CH 205 Lab / CH 232 Lec & CH 262 Lab	4
MTH 252 Integral Calculus	4
FOR 209 Forest Photogrammetry	3
ECON 201 - Perspectives Elective - SP&I	3
UCC MTH 251 & MTH 261 = OSU MTH 306	4
See note above for MTH 306	0
WR 327	3
HHS 231 & HHS 241	3



Transfer Guide: 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	Umpqua CC Course
Civil & Construction Engineering Orientation	CCE 101	
Civil Engineering II: Engineering Graphics & Design	CCE 201	DRF 112
Chemistry for Engineering Majors I with Lab	CH 201 & CH 205	CH 221
Chemistry for Engineering Majors II	CH 202	CH 222
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
Tree & Shrub Identification	FES 141	FOR/NR 241
Forest Biology	FES 240*	FOR/NR 240
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
Matrix & Power Series Methods	MTH 306	MTH 253 & MTH 261
General Physics I with Calculus	PH 211*	PH 211
General Physics II with Calculus	PH 212	PH 212
General Physics III with Calculus	PH 213	PH 213
Soil Science	SOIL 205*	SOIL 205
Soil Science Lab	FOR 206*	FOR/SOIL 206
Intro to Statistics for Engineers	ST 314	MTH 265
English Composition	WR 121*	WR 121
Technical Writing	WR 327*	WR 227

*The courses above represent the first two years of a five year degree program. Transfer students should expect to complete the remaining course requirements at OSU. 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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