

**FORESTRY ENGINEERING TRANSFER, AS
OSU ADVISING GUIDE**

Prerequisites and Course Availability per Term
(for complete information, see 2016-2017 UCC Catalog) REVISED 06/13/16

	UCC Course No. and Course Name	Term Offered				Credits	Prerequisites/Notes
		F	W	S	S		
Term 1	CH 221 General Chemistry I /Lec/Lab/Rec	x				5	MTH 111
	DRF 112 Computer Aided Drafting (CAD) I	x				3	MTH 65
	ENGR 111 Engineering Orientation I	x				3	MTH 65
	FOR/NR 201 Intro to Natural Resources	x				3	
	MTH 251 Calculus I	x	x			5	MTH 112
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
	MTH 252 Calculus II		x	x		4	MTH 251
	WR 121 English Composition: Intro to Argument	x	x	x	x	4	WR 115 or Placement Test
	Elective ¹ Arts & Letters and Culture Diversity	x	x	x	x	3	See Advisor - AS requirement
Term 3	MTH 243 ² or MTH 265 Intro to Probability & Statistics or Statistics for Engineerings & Scientists				x	5	MTH 105 or 252
	FOR/NR 141 or FOR/NR 241 Tree & Shrub Identification or Dendrology	x				5	
	SP 111 Public Speaking	x	x	x		4	WR 095
	FOR/SUR 161 Plane Surveying I				x	4	Coreq - MTH 112
Term 4	FOR/NR 240 Forest Biology	x				4	
	ENGR 211 Statics	x				4	MTH 112
	MTH 254 Vector Calculus I	x				4	MTH 252
	PH 211 Physics I w/Calculus	x				5	MTH 251 Co-requisite
Term 5	ENGR 212 Dynamics		x			4	ENGR 211
	MTH 256 Differential Equations		x			4	MTH 252
	PH 212 Physics II w/Calculus		x			5	PH 211
	FOR/SUR 209 Photogrammetry and Intro to Remote Sensing		x			4	MTH 112
Term 6	ENGR 213 Strength of Materials			x		4	ENGR 211
	ECON 201 ¹ Economics (Social Science Elective)	x			x	3	WR 121-123 & MTH 111
	SOIL 205 Soil Science Lecture			x		3	
	FOR/SOIL 206 Soil Science Lab			x		1	
	WR 227 Technical Report Writing	x	x	x	x	4	WR 222
	HPE 295 Wellness & Health	x	x	x	x	3	
TOTAL DEGREE CREDITS						107	

Note: 104 credit hours with MTH 243 and NR 141

Additional Courses for Dual Civil Engineering and Forestry Major

	UCC Course No. and Course Name	Term Offered				Credits	Prerequisites/Notes
		F	W	S	S		
	(3) See footnotes						
	CH 222 General Chemistry II		x			5	CH 221
	MTH 253 Calculus III			x		4	MTH 252
	MTH 261 Linear Algebra			x		2	MTH 111 Algebra
	PH 213 Physics III w/Calculus			x		5	PH 212
TOTAL DEGREE CREDITS						16	

Program Advisor:

NOTES:

- Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements.
- MTH 243 transfers for FE major but not for dual FE/CE major. Need MTH 265 (statistics with calculus) for dual major.
- UCC ENGR 111 Engineering Orientation I will transfer to OSU as either CCE 101 or FE 101 but not both. For dual Civil Engineering and Forestry Engineering majors, either CCE101 or FE 101 will need to be taken at OSU.
- Grade of "C" or better in all courses.

OSU Course No.	Credits	
CH 201 / CH 231 Lec & CH 261 Lab	4	
CCE 201 Engineering Graphics & Design	3	
FE 101 Introduction to Forestry Engineering	2	
FOR 111 Introduction to Forestry	3	
MTH 251 Differential Calculus	4	
FE 257 GIS & Forestry Engineering Applications	3	
FE 102 Forest Engr Problem Solving & Technology	3	
MTH 252 Integral Calculus	4	
WR 121 English Composition	3	
Perspectives Elective - See Advisor	3	
HHS 231 & HHS 241	3	
ST 314	4	
FES 141 Tree & Shrub Identification	3	
COM 111 Public Speaking	3	
FE 208 Forestry Surveying	4	
FES 240 Forest Biology	4	
ENGR 211 Statics	3	
MTH 254 Vector Calculus	4	
PH 211 & PH 221 Rec	4	
ENGR 212 Dynamics	3	
MTH 256 Differential Equations	4	
PH 212 & PH 222 Rec	4	
FOR 209 Forest Photogrammetry	3	
ENGR 213 Strength of Materials	3	
ECON 201 - Perspectives Elective - SP&I	3	
SOIL 205 Soil Science Lecture	3	
FOR 206 Soil Science Lab	1	
WR 327	3	
HHS 231 & HHS 241	3	
TOTAL DEGREE CREDITS		94

Transfer Guide: Forest Engineering

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

Forest Engineering Major Requirements	OSU Course	Umpqua Course
Civil Engineering II: Engineering Graphics & Design	CCE 201	DRF 112
Chemistry for Engineering Majors	CH 201	CH 221
Public Speaking or Argument & Critical Discourse	COMM 111* or COMM 114*	SP111 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
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
Principles of Statistics	ST 201	MTH 243 or MTH 265
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). 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.

Umpqua Contact: Clay Baumgartner
541-440-4683
Clay.baumgartner@umpqua.edu

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