



AS

**Forestry
2020-2021**

**Forestry Engineering
106 Credits**

Date of update: 4/27/20

Program Coordinator/Advisor: Jarred Saralecos Jarred.Saralecos@umpqua.edu

Program Prerequisites: See requirements needed for first term classes.

Possible Term Plan	Course Number	Course Title	Credits	Terms	Prerequisites/Notes
Term 1	CH221	General Chemistry	5	F	Corequisite: MTH111 or higher Prerequisite: CH104, CH112, GS105 or instructor approval
	DRF112	Computer Aided Drafting I	3	F	None
	ENGR111	Engineering Orientation I	3	F	Prerequisite: MTH065
	FOR111	****Introduction to Forestry	3		Prerequisite: MTH112**
	MTH251	**Calculus I	5	F,W	None
Term 2	FOR234	GIS I intro to Geographic Information Systems	4	W	None
	FOR112	*Problem Solving & Technology	3	F,W,S,Su	Prerequisites: WR121**
	MTH252	Calculus II	4	W,S	Prerequisite: MTH251**
	WR121	**Academic Composition	4	F,W,S,Su	Prerequisite: WR115** and RD090* or appropriate placement test scores
	Choose	Arts and Letters Elective with Cultural Diversity	3		
Term 3	MTH265	Statistics for Scientists and Engineers	4	F, available online	MTH 252
	FOR241	Dendrology	4	S	Prerequisite: Previous course in Biology or Natural Resources or Instructor's Consent
	SP111	Fundamentals for Public Speaking	4	F,W,S,Su	Prerequisites: WR095** or placement by approved measures; AND RD 090* or placement by approved measure.
	FOR161	Plane Surveying I	4		Corequisite: MTH112** or instructor approval
Term 4	FOR240	Forest Biology	4	F	Prerequisite: Previous course in Biology or Natural Resources or instructor approval
	ENGR211	Statics	4	F	Corequisite: MTH251
	MTH254	Vector Calculus	4	F	Prerequisite: MTH251** or instructor permission
	PH211	General Physics w/ Calculus	5	F	Prerequisite/Corequisite: MTH251
Term 5	ENGR212	Dynamics	4	W	Prerequisite: ENGR211, MTH251
	MTH256	Differential Equations	4	W	Prerequisite: MTH252**
	PH212	Physics II w/ Calculus	4	W	Prerequisite: PH211 Prerequisite/Corequisite: MTH252

Term 6	ENGR213	Strength of Materials	4	S	Prerequisite: ENGR211
	ECON201	Microeconomics	4	F,S	Prerequisites: ECON115, WR121, WR122, WR123, and MTH111 or any equivalent courses
	SOIL205	Soil Science- Lecture	3	S	None
	FOR206	Soil Science- Lab	1	S	Prerequisite/Corequisite: SOIL205
	WR227	Technical Report Writing	4	F,W,S,Su	Prerequisite: Successful completion of WR121** (4 credits)
	HPE295	Wellness and Health Assessment	3	F,W,S,Su	None

Advising Notes	MTH 243 transfers for FE major but not for dual FE/CE major. Need MTH265 (statistics with calculus) for dual major.
	UCC MTH253 and MTH261 combined transfer as OSU MTH306
	Due to the loss of FOR209, I highly recommend filling Term 5 with Resource Recreation Management FOR261. This will count at OSU and helps reduce junior and senior year courseloads.

Required/ Recommended Equipment and Software	