FOREST ENGINEERING

ASSOCIATE OF SCIENCE WITH AN EMPHASIS IN FOREST ENGINEERING – MINIMUM 104 CREDITS

PROGRAM DESCRIPTION

The UCC Forest Engineering program prepares students for transfer to the bachelor's degree at Oregon State University (OSU). The curriculum is intended to meet the requirements for the first two years of course work necessary for application to the Forest Engineering professional program at OSU. Students can also take additional courses at UCC for transfer to the dual Civil and Forest Engineering program at OSU.

Students that finish the coursework will complete at UCC with a two-year AS degree. The two-year degree may also provide a direct career pathway to employment as a Forest Technician or Engineering Technician.

PROGRAM OUTCOMES

This degree aligns with the Forest Engineering Program offered at Oregon State University. Program specific outcomes are available at http://undergrad.forestry.oregonstate.edu/sites/undergrad/files/advising/FE%20Advising%20Guide%20-%202016%20-%2017.pdf. Contact the UCC program advisor for additional information.

GRADUATION REQUIREMENTS

Prospective students should see an engineering faculty advisor, or Counseling and Career Planning Services, to develop your educational plan. Most core courses at UCC are offered only once each academic year, and must be taken in sequence. A well-planned course of study will help ensure a smooth transition to a university.

Additional courses for Dual Civil Engineering and Forest Engineering Major

CH 221	General Chemistry II
MTH 253	Calculus III****
MATH 261	Linear Algebra****
PH 213	Physics III w/Calculus

ASSOCIATE OF SCIENCE — Forest Engineering

Minimum 104 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

YEAR ONE

Fall	General Chemistry CH 221 5 CR	Computer Aided Drafting I DRF 112 3 CR	Engineering Orientation I ENGR 111 3 CR	***** Introuction to Forestry FOR 111 3 CR	Calculus I MTH 251 5 CR	CREDITS 19
Winter	GIS I Intro to Geographic Information Systems FOR 234 4 CR	* Problem Solving & Technology FOR 112 3 CR	Calculus II MTH 252 4 CR	English Composition: Intro to Argument WR 121 4 CR	* Arts and Letters Elective with Cultural Diversity 3 CR	CREDITS 18
Spring	Statistics for Scientists and Engineers MTH 265 4 CR	** Tree and Shrub Identification FOR 141 3 CR	Fundamentals of Public Speaking SP 111 4 CR	Plane Surveying I FOR 161 4 CR		CREDITS 15

YEAR TWO

Fall	Forest Biology FOR 240 4 CR	Statistics ENGR 211 4 CR	Vector Calculus I MTH 254 4 CR	General Physics w/Calculus PH 211 5 CR		CREDITS 17
Winter	Dynamics ENGR 212 4 CR	Differential Equations MTH 256 4 CR	Physics II w/Calculus PH 212 5 CR	Photogrammetry and Intro to Remote Sensing FOR 209 4 CR		CREDITS 17
Spring	Strength of Materials ENGR 213 4 CR	Economics (Micro) ECON 201 3 CR	Soil Science - Lecture SOIL 205 3 CR	Soil Science - Lab FOR 206 1 CR	Technical Report Writing WR 227 4 CR	Wellness & Health Assessment HPE 295 3 CR	CREDITS 18

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses. Please see an advisor for a degree planning worksheet for a program.

* Five perspective electives related to humanities/social science is a general education requirement at OSU. Additional perspectives courses could be taken at UCC, depending on maximum total credits for transfer. See advisor for specific course requirements.

** Course transfers as OSU FES 241 Dendrology with a 2 credit hour lab. Students should consider taking the additional lab.

*** MTH 243 transfers for FE major but not for dual FE/CE major. Need MTH 265 (statistics with calculus) for dual major.

**** UCC MTH 253 and MTH 261 combined transfer as OSU MTH 306.

***** NR 201 can be substituted for FOR 111.