

FOREST OPERATIONS, ASSOCIATE OF SCIENCE

Program Description

Students learn how to actively manage lands with economic efficiency and with evolving markets and policy to provide timber and fiber for the nation. To achieve program goals, the curriculum includes a traditional forestry foundation with courses in forest biology, economics, management and operations.

Program Outcomes

This UCC program aligns with the programs offered through the OSU College of Forestry Program. UCC students that complete the Forest Operations AS degree will have the knowledge, skills, and abilities to:

1. Demonstrate knowledge of business laws by being able to apply them to common business practices conducted in a contracting relationship
2. Demonstrate the ability to apply appropriate knowledge of surveying and mapping tools to implement forest operations by being able to survey and map roads, critical habitat and other common forest features
3. Demonstrate understanding of forest ecology and silviculture principles to understand how forests and forested watersheds respond to natural disturbances or management activities
4. Develop skills in geospatial analysis, basic surveying, mapping, and GIS
5. Demonstrate ability to measure and inventory forest vegetation with precision and accuracy

Career Considerations

Forest operations professionals often become land managers of commercially productive public and private lands. They focus on planning and managing timber harvests as well as purchasing and selling forest products. They work outside and with others who care about the health of our forests, economy and people.

Program Course Requirements

Course	Title	Credits
First Year		
First Term		
BA 211	Principles of Accounting I	3
BI 211	Principles of Biology	5
FOR 111	Introduction to Forestry	3
MTH 111Z	Precalculus I Functions	4
Credits		15
Second Term		
BA 212	Principles of Accounting II	3
FOR 112	Problem Solving-Technology	3
MTH 112Z	Precalculus II Trigonometry	4
WR 121Z	Composition I	4
Credits		14
Third Term		
BA 213	Principles of Accounting III	3
FOR 161	Surveying I	4
STAT 243Z	Elementary Statistics I	4

WR 227Z	Technical Writing	4
Credits		15
Second Year		
First Term		
CH 221	General Chemistry I	5
FES 240	Forest Biology	4
FES 241	Dendrology	4
PH 201	General Physics w Algebra I	5
Credits		18
Second Term		
BA 226	Business Law	4
FOR 234	GIS-Intro to Geographic Info	4
MTH 241	Calculus f-Mgmt-Soc Sci	4
MUS 105	Intro to Rock Music	3
Credits		15
Third Term		
COM 111Z	Public Speaking	4
ECON 201	Microeconomics	4
FES 261	Recreation Resource Mgmt	4
SOC 213	Race Class and Ethnicity	3
SOIL 205	Soil Science	3
SOIL 206	Soil Science Lab	1
Credits		19
Total Minimum Credits		96

Advising Notes

- See advisor for full list of prerequisites and optional electives