

# FORESTRY

## Forest Management Associate of Science

### PROGRAM MISSION

The Mission of the Forestry Program is to provide graduates with an education in fundamental forestry knowledge, applied field-based skills, and professional and ethical behavior in order to be successful professionals assisting in the management of forested ecosystems for a diverse set of landscape objectives which promote environmental, social, and economic values of forests.

### PROGRAM DESCRIPTION

The Forest Management option is a classical forestry program aimed at active land management from an industrial forest land management perspective.

### PROGRAM OUTCOMES

This UCC program aligns with the programs offered through the OSU College of Forestry Program Students who successfully complete the Forest Management AS degree will:

1. Demonstrate understanding of interaction of vegetation, wildlife, insects, and disease on forested landscapes
2. Demonstrate ability to identify major forest ecosystems of the PNW and describe their changes over time, with and without human influence/management

### CAREER CONSIDERATIONS

Foresters and forest managers are concerned with the overall administrative, economic, legal and social aspects and with the essentially scientific and technical aspects, especially silviculture, protection, and forest regulation. Foresters are multitaskers, often addressing a variety of issues with other professionals from many different areas. The industry is growing at a rate of three percent per year, meaning that 990 jobs will be added by 2022.

#### NOTES:

<sup>1</sup> NR 201 can be substituted for FOR 111

<sup>2</sup> One Arts & Letters elective must be Cultural Diversity. See following link for OSU Perspective requirements for General Education:  
<https://main.oregonstate.edu/baccalaureate-core/transfer-students>

### PROGRAM COURSE REQUIREMENTS

#### Year One

Arts & Letter Elective <sup>2</sup>	3
BI 212 Principles of Biology	5
FES 241 Dendrology	4
FOR 111 <sup>1</sup> Introduction to Forestry	3
FOR 112 Problem Solving & Technology	3
FOR 161 Surveying I	4
FOR 234 GIS I	4
MTH 111 College Algebra	5
MTH 112 Elementary Functions	4
MTH 243 Introduction to Probability & Statistics	5
SP 111 Fundamentals of Public Speaking	4
WR 121 Academic Composition	4

**Year One Credits (minimum) 48**

#### Year Two

Arts & Letters or Social Sciences Elective <sup>2</sup>	6
ATS 201 Climate Science	4
CH 221 General Chemistry	5
ECON 201 Microeconomics	4
FES 240 Forest Biology	4
FOR 206 Soil Science Lab	1
FES 261 Recreation Resource Management	4
HPE 295 Health & Wellness	3
MTH 241 Calculus for Management & Social Science I or MTH 251 Calculus I	4-5
PH 201 General Physics	5
SOIL 205 Soil Science Lecture	3
WR 227 Technical Writing	4

**Year Two Credits 47-48**