

# FORESTRY MANAGEMENT, ASSOCIATE OF SCIENCE

The Associate of Science (AS) degree, with an emphasis in Forestry, provides students with an introduction to the technical and scientific knowledge related to the field of forestry and forest management. This set of classes satisfies the requirements for an AS degree and also meets the lower division requirements at Oregon State University (OSU) for a Bachelor of Science in Forestry. There is a signed articulation agreement with the Forestry Department at Oregon State University that allows students who complete this AS degree and two additional courses to enter OSU as a junior in the forestry program.

The management option focuses on the biological, ecological and economic characteristics of forests and society. Students gain knowledge and experience in active forest management, including monitoring the health of forests and natural resources, maintaining species inventory, timber cruising, planning and executing harvesting operations, focusing on conservation and sustainability of natural resources such as wildlife, and protecting the forest from harmful weeds, insects, disease, erosion and fire.

Check out the Forestry/Natural Resources (<https://www.socc.edu/forestry>) program website!

The forestry field is projected to have many career opportunities coming up in the next decade as many forestry and natural resources professionals retire in the next few years. Students who enjoy working outdoors and want to have a career that focuses on managing our valuable forest lands to conserve and protect resources as well as produce valuable products for society should consider this degree.

## Graduation Requirements

Students must complete a minimum of 93 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

Code	Title	Credits
WR90R	Academic Literacy (or placement in higher writing course)	4
MTH95	Intermediate Algebra (or placement in higher math course)	4

## Program Guide

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
F111	Introduction to Forestry	4
MTH111 or MTH111H	College Algebra or College Algebra w/Honors	4
PE231	Wellness for Life	3
SP111	Fundamentals of Public Speaking	3
WR121 or WR121H	English Composition or English Composition w/Honors	3
Credits		17
<b>Winter</b>		
BI202	Introductory Biology	4
CIS125S	Spreadsheet Applications	3
ECON201	Microeconomics	4
MTH112 or MTH112H	Trigonometry or Trigonometry w/Honors	4
Credits		15
<b>Spring</b>		
F241	Dendrology	5
MTH243	Intro to Probability and Statistics Statistics	4
WR227	Report Writing	3
Specific Elective <sup>1</sup>		3
Credits		15
<b>Second Year</b>		
<b>Fall</b>		
CHEM221	General Chemistry I	5
ENV235	Introduction to Soil Science	4
GEOG265	Intro to Geographical Info Systems	3
PH201	Gen Physics I: Mechanics	5
Credits		17
<b>Winter</b>		
F222A	Elementary Forest Surveying	4
F250	Forest Biology	4
F180 or NR180	Internship: Forestry or Internship: Natural Resources	1-3
Specific Elective <sup>2</sup>		3
Credits		12-14
<b>Spring</b>		
F251	Recreation Resource Management	4
MTH241	Calculus for Bus and Soc Science I	4
Specific Elective <sup>3</sup>		3
Specific Elective <sup>4</sup>		3
Credits		14
Total Credits		90-92

<sup>1</sup> Western Culture - Specific Elective options: SOC206 Social Problems and Issues, HST201 History of the United States, HST202 History of the United States, or HST203 History of the United States.

- <sup>2</sup> Literature and the Arts - Specific Elective options: ENG104 Introduction to Literature Fiction, ENG105 Introduction to Literature Drama, ENG106 Introduction to Literature Poetry, ENG107 World Literature, ENG107H World Literature w/Honors, ENG108 World Literature, ENG201 Shakespeare, ENG204 Survey of English Literature, ENG205 Survey of English Literature, ENG206 Survey of English Literature, MUS201 Intro to Music and its Literature, ART101 Art Appreciation, ART204 History of Western Art: Introduction to Art History, ART205 History of Western Art: Introduction to Art History, or ART206 History of Western Art: Introduction to Art History.
- <sup>3</sup> Cultural Diversity - Specific Elective options: ANTH230 Native North Americans: Oregon, ANTH231 Native North Americans: PNW, or ANTH232 Native North Americans, or HST104 History of the Middle East.
- <sup>4</sup> Western Culture - Specific Elective options: PHL102 Ethics, MUS201 Intro to Music and its Literature, ENG201 Shakespeare, ENG204 Survey of English Literature, ENG205 Survey of English Literature, ENG206 Survey of English Literature, ART204 History of Western Art: Introduction to Art History, ART205 History of Western Art: Introduction to Art History, or ART206 History of Western Art: Introduction to Art History.

## **Program Student Learning Outcomes**

Upon successful completion of this program, the student will be able to:

- Integrate technical field skills with analytical skills to identify important forest management challenges and identify potential solutions for these problems.
- Explain and discuss important current issues, and social and political components of forest management in the United States and other countries.
- Demonstrate basic skills in forest surveying, recreation management, soil science, remote sensing, geographic information systems, and spreadsheet applications.
- Identify important tree species in the Pacific Northwest.