

FORESTRY MANAGEMENT, ASSOCIATE OF SCIENCE

The Forestry Management Associate of Science (AS) degree 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.

This degree was designed to transfer to Oregon State University's College of Forestry. Other transfer options may be available, consult your advisor for details. Check out the Forestry/Natural Resources 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 91 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 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).

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.

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
CIS90	Computer Basics (or higher)	2

PROGRAM GUIDE

Course	Title	Credits
First Year		
Fall		
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
Winter		
BI202	Introductory Biology	4
CIS125S	Spreadsheet Applications	3
ECON201	Microeconomics	4
MTH112 or MTH112H	Trigonometry or Trigonometry w/Honors	4
Credits		15
Spring		
F241	Dendrology	5
MTH243	Intro to Probability and Statistics	4
WR227	Report Writing	3
Difference, Power, and Discrimination ¹		3
Credits		15
Second Year		
Fall		
CHEM221	General Chemistry I	5
ENV235	Introduction to Soil Science	4
PH201	General Physics I: Mechanics	5
GEOG265	Intro to Geographical Info Systems	4
Credits		18
Winter		
F222A	Elementary Forest Surveying	4
F250	Forest Biology	4

F180 or NR180	Internship: Forestry ⁵ or Internship: Natural Resources	1-3
Literature and the Arts ²		3
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Credits		12-14
Spring		
F251	Recreation Resource Management	4
MTH241 or MTH251	Calculus for Bus and Soc Science I or Calculus I Differential Calculus	4
Cultural Diversity ³		3
Western Culture ⁴		3
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Credits		14
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Total Credits		91-93

¹ Difference, Power, and Discrimination: HST201, HST202, HST203, SOC206, SOC213

² Literature and the Arts: ART204, ART205, ART206, ENG104, ENG105, ENG106, ENG107, ENG108, ENG109, ENG201, ENG204, ENG205, ENG206, ENG262, MUS201, MUS202, MUS203.

³ Cultural Diversity: ANTH224, ANTH230, ANTH231, ANTH232, HST104, HUM204, HUM205, HUM206.

⁴ Western Culture: ART204, ART205, ART206, ENG107, ENG108, ENG109, ENG201, ENG204, ENG205, ENG206, HST101, HST102, HST103, HST201, HST202, HST203, MUS201, MUS202, MUS203, PHL101, PHL102.

⁵ Schedule an appointment with the Internship Coordinator one month prior to term 541-888-7405

* All Honors courses may substitute for their equivalent requirements.