

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.

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 90 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.

Math and writing placement are unique to each student and are determined during the admissions and intake advising process. Additional math or writing courses may be required prior to taking the math or writing program requirements in this degree.

PRE-PROGRAM REQUIREMENTS

Placement into MTH241 or completion of prerequisites.

PROGRAM GUIDE

Course	Title	Credits
First Year		
Fall		
BI221Z	Principles of Biology: Cells	5
COMM111Z	Public Speaking	4
F111	Introduction to Forestry ⁶	3
PE231	Wellness for Life	3
Credits		15
Winter		
BA169Z	Data Analysis Using Microsoft Excel	4
ECON201Z	Principles of Microeconomics	4
WR121Z	Composition I	4
Western Culture ⁴		3
Credits		15
Spring		
F223	Field Measurements	3
F241	Dendrology	5
WR227Z	Technical Writing	4
Difference, Power, and Discrimination ¹		3
Credits		15
Second Year		
Fall		
CHEM221Z	General Chemistry I	4
CHEM227Z	General Chemistry I Laboratory	1
ENV235	Introduction to Soil Science	4
GEOG265	Intro to Geographical Info Systems	4
PH201	General Physics I: Mechanics	5
Credits		18
Winter		
F222A	Elementary Forest Surveying	4
F250	Forest Biology	4
F180	Internship: Forestry ⁵	3
or NR180	or Internship: Natural Resources	
Literature and the Arts ²		3
Credits		14
Spring		
F251	Recreation Resource Management	4

MTH241	Calculus for Bus and Soc Science I ⁷	4
or MTH251Z	or Differential Calculus	
STAT243Z	Elementary Statistics I	4
Cultural Diversity ³		3
Credits		15
Total Credits		92

¹ Difference, Power, and Discrimination: HST201, HST202, HST203, SOC206Z, SOC213

² Literature and the Arts: ART204, ART205, ART206, ENG104Z, ENG105Z, ENG106Z, 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

⁶ NR201 may be substituted for F111.

⁷ MTH241 or higher will satisfy this requirement, excluding STAT243Z and MTH244.

* At least two courses must be chosen from the Arts and Letters section from the AS course list to meet the above requirements.