

Forestry Management

Certificate of Achievement

Fall 2025

Required Core Courses: 19 units

Total Required Units:29.5 units

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Course Number	Course Title	Fall	Spring	OER/ZTC
FOR 1	Introduction to Forestry	3		No
FOR 5	Dendrology	3 (even)		No
FOR 2	Forest Ecology		3 (odd)	No
FOR 3	Forest Measurements		4(even)	No
FOR 4	Forest Health and Protection	1.5(odd)		No
FOR 7	Introduction to Wildland Fire		1.5 (odd)	No
FOR 6	Intro to Forest Operations		3(even)	No

Required Electives: 10.5 units (Including the following)

Course Number	Course Title	Fall	Spring	OER/ZTC
FS 61	Basic Firefighter Training (Basic 32)**	2	2	No
FS 85	Understanding Maps, Compass & GPS		0.5	No
FS 89	Wildland Fire Chainsaws(S-212)		1	No
FS 72	HazMat First Responder Operations	1		No
AGR-19	Soils	3(even)		No
AERO 50	UAV/UAS Ground School	3		No

**** These Courses can be taken in either the Fall **OR** Spring Semesters****

Program Student Learning Outcomes

1. Demonstrate knowledge of forest ecology and understand how forests respond to natural disturbances or management activities.
2. Understand the use of fire in management of natural resources.
3. Develop quantitative and qualitative skills for data collection, analysis and interpretation for forest ecology and management.
4. Develop an understanding of forestry products and be able to evaluate typical financial investments in forestry.
5. Demonstrate an understanding of forest conservation, forest ecology, and resource management conflicts and solutions from multiple perspectives ranging from private landowners to industry and public lands.
6. Effectively analyze and integrate the social and natural sciences to understand diverse challenges to forest management and conservation