

Forestry Management

Certificate of Achievement

Required Core Courses: 19 units

Total Required Units: 29.5 units

Total Units: 29.5

Course Number	Course Title	Fall	Spring
<i>FOR 1</i>	Introduction to Forestry	3 units	
FOR 2	Forest Ecology		3 units
FOR 3	Forest Measurements		4 units
FOR 4	Forest Health and Protection	1.5 units	
FOR 5	Dendrology	3 units	
FOR 6	Introduction to Forest Operations		3 units
FOR 7	Introduction to Wildland Fire		1.5 units

Required Electives: 10.5 units (Including the following)

Course Number	Course Title	Fall	Spring	Summer
FS 61	Basic Firefighter Training (Basic 32)**	2	2	
FS 85	Understanding Maps, Compass & GPS		0.5	
FS 89	Wildland Fire Chainsaws(S-212)		1	
FS 72	HazMat First Responder Operations	1		
AGR-19	Soils	3(even)		
FS 7	Introduction to California Native Forest Management	3		

** 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