

# WILDLAND FIRE ECOLOGY OPTION

This option is offered within the following major(s):

- Natural Resources - College of Forestry (<http://catalog.oregonstate.edu/college-departments/forestry/forest-ecosystems-society/natural-resources-bs-hbs>)

This option will help students understand the nature of fire in wildland ecosystems. It includes an understanding of the dynamics of fire behavior and post-fire response.

Minimum of 40 credits with 20 credits upper-division required.

**Note:** Up to 6 credits of appropriate internships, projects, or study abroad may be used to fulfill credit requirements in this option as approved by petition.

Code	Title	Hours
<b>Measurements</b>		
Select one course from below:		3-4
BOT 440	FIELD METHODS IN PLANT ECOLOGY	
FW 255	FIELD SAMPLING OF FISH AND WILDLIFE	
GEOG 360	GISCIENCE I: GEOGRAPHIC INFORMATION SYSTEMS AND THEORY	
<b>Foundations in Wildland Fire</b>		
FES 440	WILDLAND FIRE ECOLOGY	3
FES 445	ECOLOGICAL RESTORATION	4
or FW 445	ECOLOGICAL RESTORATION	
or RNG 421	WILDLAND RESTORATION AND ECOLOGY	
FES 454	MANAGING AT THE WILDLAND-URBAN INTERFACE	3
FOR 436	WILDLAND FIRE SCIENCE AND MANAGEMENT	4
<b>Ecological and Natural Resource Electives</b>		
Select 22-23 credits of the following:		22-23
BOT 341	PLANT ECOLOGY	
BOT 414	AGROSTOLOGY	
BOT 425	FLORA OF THE PACIFIC NORTHWEST	
CROP 440	WEED MANAGEMENT	
FE 208	FOREST SURVEYING	
FE 434	FOREST WATERSHED MANAGEMENT	
FES 341	FOREST ECOLOGY	
FES 342	FOREST TYPES OF THE NORTHWEST	
FES 412	FOREST ENTOMOLOGY	
FES 452	BIODIVERSITY CONSERVATION IN MANAGED FORESTS	
or FW 452	BIODIVERSITY CONSERVATION IN MANAGED FORESTS	
FOR 346	TOPICS IN WILDLAND FIRE	
FOR 413	FOREST PATHOLOGY	
or BOT 413	FOREST PATHOLOGY	
FOR 431	ECONOMICS AND POLICY OF FOREST WILDLAND FIRE	
FOR 441	SILVICULTURE PRINCIPLES	

FW 321	APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY	
FW 458	MAMMAL CONSERVATION AND MANAGEMENT	
FW 479	WETLANDS AND RIPARIAN ECOLOGY	
FW 481	WILDLIFE ECOLOGY	
NR 325	SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS	
SOIL 366	ECOSYSTEMS OF WILDLAND SOILS	
or SOIL 388	SOIL SYSTEMS AND PLANT GROWTH	
or SOIL 466	SOIL MORPHOLOGY AND CLASSIFICATION	
Total Hours		39-41

**Option Code: 687**