

FOREST RESTORATION AND FIRE OPTION

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

- Forestry - College of Forestry (<http://catalog.oregonstate.edu/college-departments/forestry/forest-engineering-resources-management/forestry-bs-hbs/>)

The forest restoration and fire option focuses on managing forests in order to be resilient to disturbance processes including wildfire, landslides, insects and disease. Graduates will have the knowledge and the skill set to incorporate these natural processes into active forest management planning. This option prepares students to prevent or mitigate damage resulting from disturbances or to use disturbance processes purposefully to achieve management objectives. These skills will be particularly important for managing forests at the landscape scale and in the face of uncertainty and rapid change including in climate or land use patterns. Many graduates become professional foresters or forest managers, wildland firefighters, prescribed burners or fire ecologists. They actively manage the landscape using both ancient and modern tools to restore and maintain resilient landscapes and protect surrounding communities.

Option Code: 824

Grade standards for the pre-major and professional major also apply to the option.

Second Year		Credits
Pre-Professional Forestry		
ATS 201 or ATS 310	*CLIMATE SCIENCE ¹ or METEOROLOGY	4
FOR 346	TOPICS IN WILDLAND FIRE ¹	3
Credits		7
Third Year		
Professional Forestry		
FES 341	FOREST ECOLOGY	3
FES 445/FW 445	ECOLOGICAL RESTORATION	4
FES 485	*CONSENSUS AND NATURAL RESOURCES	3
FOR 322	FOREST MODELS	3
Credits		13
Fourth Year		
FE 436	FOREST DISTURBANCE HYDROLOGY	3
FES 412	FOREST ENTOMOLOGY	3
FES 440	WILDLAND FIRE ECOLOGY	3
FOR 413/BOT 413	FOREST PATHOLOGY	3
FOR 431	ECONOMICS AND POLICY OF FOREST WILDLAND FIRE	3
FOR 436	WILDLAND FIRE SCIENCE AND MANAGEMENT	4
Credits		19
Total Credits		39

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Baccalaureate Core Course (BCC)

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Required for entry into the professional program

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