

# WILDLAND FIRE SCIENCE (WFS)

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## WFS F151 Wildland Firefighter I

3 Credits

Offered As Demand Warrants

Designed to provide entry-level wildland firefighters the skills and knowledge to safely function as a member of a firefighting crew. Includes fundamental knowledge of wildland fire organization, fire behavior, suppression methods, safety and the incident command system. This course is based on a number of individual National Wildfire Coordinating Group (NWCG) courses. Successful course completion combined with national age and physical fitness requirements will qualify the student for an interagency fire qualification card (red card) with a rating of Firefighter (FFT2). NWCG courses for F151 include: S-130 Firefighter Training S-190 Introduction to Wildland Fire Behavior L-180 Human Factors in Wildland Fire Service L-200 Basic ICS, ICS for Single Resource and Initial Action Incidents.

**Crosslisted with FIRE F151.**

**Lecture + Lab + Other:** 3 + 0 + 0

## WFS F152 Wildland Firefighter II

3 Credits

Offered As Demand Warrants

Provides wildland firefighters with knowledge and skills in the deployment, use, safe practices and field maintenance of engine-powered wildland firefighting tools: portable pumps and chainsaws. This course is based on National Wildlife Coordinating Group (NWCG) courses: S-211 Portable Pumps and Water Use; S-212 Wildland Fire Chainsaws.

**Prerequisites:** FIRE F151.

**Special Notes:** Must have the ability/strength to start a portable pump and chainsaw.

**Lecture + Lab + Other:** 3 + 0 + 0

## WFS F153 Wildland Firefighter III

2 Credits

Offered As Demand Warrants

Designed to meet the training needs of the advanced wildland firefighter. Course content includes training in use of fireline reference materials, recognition and mitigation of safety issues, and provides a solid foundation of basic leadership skills. This course is based on a number of individual National Wildfire Coordinating Group (NWCG) courses.

**Prerequisites:** FIRE F151.

**Special Notes:** NWCG courses included: S-131 Wildland Firefighter Type I; S-133 Look Up, Look Down, Look Around; L-280 Followership to Leadership.

**Lecture + Lab + Other:** 2 + 0 + 0

## WFS F157 Wildland Air Operations

3 Credits

Offered As Demand Warrants

Introduction to aircraft types and capabilities, aviation policy and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. This course is designed to provide student proficiency in all areas of the tactical and logistical use of helicopters to achieve efficiency and standardization. Topics include aviation safety, aircraft capabilities and limitations, aviation life support equipment, aviation mishap reporting, pre-flight checklist and briefing/debriefing, aviation transportation of hazardous materials, crash survival, helicopter operations. Emphasis is on aviation safety. This course is based on National Wildfire Coordinating Group (NWCG) courses: S-270 Basic Air Operations; S-271 Helicopter Crewmember (FIRE F157 will not include Module A-119 which is a required field exercise for S-271. Students will need to complete this field exercise).

**Prerequisites:** FIRE F151.

**Lecture + Lab + Other:** 3 + 0 + 0