

WILDLAND FIRE ACADEMY, CERTIFICATE OF ACHIEVEMENT

The **Wildland Fire Academy Certificate of Achievement** will prepare students with the basic fire behavior knowledge and firefighting training as required by the U.S. Forest Service, US Bureau of Land Management, California Department of Forestry and other local agencies for seasonal or permanent employment in wildland firefighting. This Academy provides the students with all the required knowledge, skills and abilities as required and dictated by the United States Forest Service (USFS) and the California Department of Forestry and Fire Protection (CDF or Cal-Fire) for a certificate required by those two wildland fire agencies for seasonal wildland firefighter employment. The focus of this academy is wildland fire control and safety in the wildland fire environment, preparing students who successfully complete this academy for entry level employment as a wildland firefighter.

Course ID	Title	Units/ Hours
FT R180	Wildland Fire Academy	10
EMT R109	Emergency Medical Responder *	3
Total Units Required for the Certificate:		13

*EMT R169 may be substituted for EMT R109.

To earn a Certificate of Achievement (COA), a student must complete all courses within the certificate with a grade of "C" or better (or "P").

Year 1

Fall Semester		Units/Hours
EMT R109	Emergency Medical Responder *	3
*EMT R169 may be substituted for EMT R109		
Units/Hours		3
Spring Semester		
FT R180	Wildland Fire Academy	10
Units/Hours		10
Total Units/Hours		13

- Identify and explain environmental factors of fuels, weather, and topography that affect the start and spread of wildland fires and how these factors can affect safety.
- Explain what LCES (Lookouts, Communications, Escape Routes, and Safety Zones) system is and how it relates to the Standard Firefighting Orders and firefighter safety.
- Establish wildland fire control measures using various methods on simulated fire ground situations while communicating clearly and effectively.
- Demonstrate competency and skills to design, set up, operate, troubleshoot and shut down portable water delivery systems.
- Explain and demonstrate basic chain saw operation, troubleshooting, maintenance and fireline construction techniques.
- Describe how to operate safely and effectively in a wildland urban interface incident using situation awareness, performing structure triage and citing appropriate structure protection actions.
- Demonstrate how to interpret a topographical map to determine slope, aspect, acreage, distance and coordinates.

- Identify the fundamental leadership principles, human factors and techniques used to communicate effectively.
- Identify wildland firefighting aircraft and operate safely around them.