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## Associate of Applied Science WILDLAND FIRE SCIENCE

This Program is designed to prepare you for a career in Wildland Fire Management. The program provides entry- and advanced-level fire suppression and management skills. Skill areas in program requirements develop student efficiency and performance in safety, ethical decision making, communications, aviation, business management, fire behavior predictions, fire line tactics, ignition and equipment applicable to wildland and prescribed fire, water hydraulics, chain saw operation, and recognition of environmental factors affecting start and spread of wildland fires.

Additional skills are designed to produce efficiency in performance of single operations resource positions while on and off duty times, before and during assignment. The degree is targeted towards operational Incident Command positions, but is also applicable to logistic and financial/administration Incident Command positions. All of the Wildland Fire courses meet National Wildfire Coordination Group standards.

### **GENERAL EDUCATION (28 CRS)**

#### **Communications (9 crs)**

- ENG 111 English Composition I (3)
- SPCH 130 Public Speaking (3)
- ENG 116 Technical Writing (3)

#### **Humanities (3 crs)**

- PHIL 220 Ethics (3)

#### **Math/Computers/Lab Science (11 crs)**

- ES 112 Introduction to Environmental Science (3)
- ES 112L Introduction to Environmental Science Lab (1)
- BCIS 102 Computer Literacy (3)
- MATH 130 Intermediate Algebra (4)

#### **Social Behavior Sciences (5 crs)**

- PSY 105 General Psychology (3)
- Electives (2)

#### **Health, Physical Education, and Recreation (1 cr)**

- Electives

### **PROGRAM REQUIREMENTS (37.50 CRS)**

- ES 137 OSHA Hazmat First Responder (1.5)
- ES 203 Introduction to GIS/GPS & Cartography (2)
- FOR 101 Introduction to Forestry (3)
- FOR 123 Forest Ecology (3 crs)
- WFS 130 Basic Wildland Fire Fighter Training (includes S-190 I-100 and L-180) (3)
- WFS 260 Incident Business Management (1)
- WFS 270 Basic Air Operations (1)
- WFS 134 Lookouts, Communication, Escape Routes & Safety Zones (1)
- WFS 131 Advanced Fire Fighter Training (Includes S-131) (1)
- WFS 280 Followership to Leadership (L-280) (1.5)
- WFS 271 Helicopter Crew Member (3)
- WFS 290 Fundamentals of Fire Behavior (2)

WFS 234 Ignition Operations (2)  
WFS 230 Crew Boss (2.25)  
WFS 211 Portable Pumps and Water Use (2)  
WFS 212 Wildland Fire Chain Saws (3)  
WFS 231 Engine Boss (1)  
WFS 232 Dozer Boss (S-232) (1.25)

**TOTAL CREDITS 66.5**