Associate of Applied Science
WILDLAND FIRE SCIENCE 2012-2014

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.


Area I. Communications (9 cr)
- ENG 111 English Composition I (3)
- SPCH 130 Public Speaking (3)
- ENG 116 Technical Writing (3)

Areas II and III. Mathematics/Computers/Laboratory Science (11 cr)
- 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)

Area IV. Social/Behavioral Sciences (5 cr)
- PSY 105 General Psychology (3)
- Electives (2)

Area V. Humanities and Fine Arts (6 cr)
- HUM 100 FYE: History and Culture of Northern New Mexico (3)
- PHIL 220 Ethics (3)

Area VI. Library Technology (1 cr)
- LT 101 Library Research Skills (1)

PROGRAM REQUIREMENTS (38.50 CR)
- ES 137 OSHA Hazmat First Responder (1.5)
- ES 203 Introduction to GIS/GPS & Cartography (2)
- ES 103 Introduction to Natural Resource Management (3)
- ES 120 Forest and Range Ecology (3 cr)
- WFS 130
- 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  215  Fire Operations in the Wildland/Urban Interface (3)
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)
WFS  200  Incident Commander Type 4 (1)

TOTAL CREDITS: 70.5