

NORTHERN



Associate of Applied Science

WILDLAND FIRE SCIENCE/2014-2016

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 (32 CR) SEE PAGES 25-28

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	

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	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