

# WILDLAND FIRE SCIENCE PROGRAMS

## WILDLAND FIRE SCIENCE

### Associate of Applied Science

63 credit hours\*

This program is designed to prepare students for entry into a career in wildland firefighting with private, municipal, state or federal wildland firefighting organizations. The two-year program includes basic and intermediate wildland fire suppression strategies, a foundation of forest science courses, as well as general education requirements.

Students with training and/or experience obtained previously through government agencies may receive credit-for-prior-learning and be eligible to receive a degree in an accelerated pathway. Students will have completed many prerequisite courses allowing transfer to a Bachelor degree program.

Upon completion of the degree students will be able to:

- Demonstrate and apply knowledge of basic and intermediate wildland fire suppression strategies.
- Apply basic leadership skills required to move towards supervision on active wildfire suppression efforts and oversight of fireline activities.
- Assess personal fitness level and understand the required conditioning for extended and multi-day wildfire assignments.
- Utilize knowledge and skills required to make critical medical decisions for patients in remote locations.
- Utilize foundational knowledge of forest ecology and wildfire behavior to plan and prepare for potential wildland fire incidents.

*Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program. Please contact an advisor prior to registration.*

---

#### Institutional and Related Requirements – 9 hours

BUSA 1130 – Business Professionalism (3)

ENGL 1110 – Composition I (3)

BCIS 1115 – Introduction to Computers (3)

*Note: If institutional/related requirements are waived, additional elective courses will be needed to meet the minimum hours required for the degree.*

#### Technical Requirements – 37 hours

EMSS 1116 – BLS Clinical Preparations (1)

FIRE 117 – Hazardous Materials Awareness and Operations (3)

FIRE 124 – Fire Service Instructor 1 (3)

BIOL 1133C – Introduction to Wildlife and Fisheries Sciences (4)

OSH 200 – Occupational Safety and Health for Emergency Services (3)

WILD 100 – Intro to ICS (1)

WILD 130 – Firefighter Training (3)

WILD 131 – Firefighter Type I (1)

WILD 180 – Human Factors in the Wildland Fire Service (1)

WILD 190 – Intro to Wildland Fire Behavior (1)

WILD 211 – Portable Pumps and Water Use (2)

WILD 212 – Wildland Fire Chainsaws (3)

WILD 219 – Firing Operations (2)

WILD 260 – Interagency Incident Business Mgmt (2)

WILD 270 – Basic Air Operations (2)

WILD 280 – Followership to Leadership (2)

WILD 290 – Intermediate Wildland Fire Behavior (3)

*Note: If technical requirements are met by approved prior learning assessment, additional electives in the technical area will be needed to meet the residency requirements of the degree.*

#### New Mexico General Education Curriculum (NMGEC) – 17 hours (as itemized below)

Communications – 3 hours

Mathematics – 4 hours

Science – 4 hours

Social and Behavioral Sciences – 3 hours

Flexible Three – 3 hours