

Wildland Fire Science

Associate of Applied Science Degree 61-65 credit hours

The Associate of Applied Science Degree (AAS) in Wildland Fire Science 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 path- way. Students will have completed many pre-requisite courses allowing transfer to a Bachelor degree program.

Upon program completion students will be able to:

- Demonstrate and apply knowledge of basic and inter- mediate 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 – 3-7 hours

UNIV 101 - Freshman Seminar – 3
MATH 104 - Preparatory Algebra – 4

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

New Mexico General Education Common Core (NMGECC) – 26-27 hours

Students planning to earn their BAAS at ENMU-Portales will be required to take additional NM general education common core classes.

- I. Communications – 9 hours
COMM 101 - Interpersonal Communications – 3
or COMM 102 - Public Speaking – 3
ENG 102 - English Composition – 3
ENG 233 - Writing for Technical Professionals – 3
or ENG 104 - English Composition and Rhetoric – 3
- II. Math or Science – 4 hours
MATH 119 - College Algebra – 4
OR
Science – 4

Recommended courses:

- BIOL 154/L - General Biology I: Subcellular through Organismic Biology/Lab – 4
- BIOL 155/L - General Biology II: Organismic through Supra Organismic Biology/Lab – 4
- BIOL 216/L - General Botany/Lab – 4
- CHEM 151/L - General Chemistry I – 4
- CHEM 152/L - General Chemistry I/Lab – 4
- or any science with a lab listed in the NMGECC

III. Science – 4 hours Recommended courses:

- BIOL 154/L - General Biology I: Subcellular through Organismic Biology/Lab – 4
- BIOL 155/L - General Biology II: Organismic through Supra Organismic Biology/Lab – 4
- BIOL 216/L - General Botany/Lab – 4
- CHEM 151/L - General Chemistry I – 4
- CHEM 152/L - General Chemistry I/Lab – 4
- or any science with a lab listed in the NMGECC

IV. Social Science – 3 hours Recommended Courses:

- PSCI 102 - American National Government – 3
- PSY 101 - Introductory Psychology – 3
- SOC 101 - Introductory Sociology – 3
- or any Social Science from different disciplines listed in the NMGECC

V. Humanities – 3-4 hours Recommended Courses:

- HIST 101 - Survey of American History to 1877 – 3
- HIST 102 - Survey of American History since 1877 – 3
- or any Humanities from different disciplines listed in the NMGECC

An additional course from Area IV, V: Social Science, Fine Arts or Humanities – 3

any course from Social Science, Fine Arts or Humanities listed in the NMGECC

Technical Requirements – 32 hours

- NATR 121 - Introduction to Forestry – 3
- WILD 100 - Introduction to ICS – 1
- WILD 130 - Firefighter Training – 3
- WILD 131 - Firefighter Type 1 – 1
- WILD 133 - Look Up, Look Down, Look Around – .5
- WILD 134 - Lookouts, Communications, Escape Routes and Safety Zones (LCES) – 1
- WILD 150 - Firefighter Fitness – 2
- WILD 180 - Human Factors in the Wildland Fire Service – .5
- WILD 190 - Introduction to Wildland Fire Behavior – 1
- WILD 211 - Portable Pumps and Water Use – 2
- WILD 212 - Wildland Fire Chain Saws – 3
- WILD 219 - Firing Operations – 2
- WILD 260 - Interagency Incident Business Management – 2
- WILD 270 - Basic Air Operations – 2
- WILD 280 - Followership to Leadership – 2
- WILD 286 - Basic Land Navigation – 1
- WILD 290 - Intermediate Wildland Fire Behavior – 3
- WILD 294 - Wildland Firefighting Experience – 1
- WILD 299 - Wildland Fire Science Capstone – 1