

# STRUCTURAL FIRE SCIENCE PROGRAMS

## STRUCTURAL FIRE SCIENCE

### Certificate of Completion

41 credit hours

The Certificate of Completion in Structural Fire Science will prepare the student to rapidly enter the workforce, and ensure successful employment with the Fire and Emergency services. The core course work for the AAS degree is designed to ensure the student has attained a mastery of the fundamental principles in the causes of fire, organizational structure, fire behavior, emergency tactics and fire suppression, as well as the basics of urban firefighting. This core coursework is also the foundation of the “Fire Academy Certification”, demonstrating general proficiency for the student to enter the workforce as an entry level firefighter.

Upon completion of the certificate students will be able to:

- Demonstrate a complete proficiency of all job performance requirements established in NFPA 1001, as applicable to this program.
- Discuss the impact of the history of Fire Service as it relates to current industry trends.
- Evaluate the principles of fire chemistry, fire behavior, and safety practices in the fire service industry.

*Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program.*

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#### Institutional and Related Requirements –

Not applicable

#### Technical Requirements – 41 hours

- HMSV 2140 – Intro to Alcohol and Drug Abuse (3)
- EMS 101 – Basic Life Support Provider (CPR) (1)
- EMS 111 – EMT Basic/Lab (11)
- EMS 203 – Human Systems (3)
- FIRE 103 – Fire Protection Hydraulics and Water Supply (3)
- FIRE 111/L – Structural Firefighter I/Lab (6)
- FIRE 112/L – Structural Firefighter II/Lab (6)
- FIRE 117 – Hazardous Materials Awareness and Operations (3)
- FIRE 119 – Basic Auto Extrication (2)
- FIRE 204 – Structural Firefighting Tactics and Strategies (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) –

Not applicable