

The A.A.S. Degree in Fire Science is an online associate degree program that transfers into a Bachelor of Applied Arts and Sciences (B.A.A.S.) degree program at ENMU. It is designed for individuals who are currently employed by fire service organizations.

Program Learning Outcomes

In addition to supporting institutional learning outcomes and building upon the foundational general education outcomes, upon completion of this program students will be able to:

1. Compare and contrast the components and development of the fire and emergency services.
2. Understand theoretical concepts of how fire impacts major types of building construction.
3. Identify the fundamental theories of fire behavior and combustion and differentiate the various types of extinguishing agents.
4. Understand the concepts of risk management and mitigations as it pertains to emergency services.
5. Understand code enforcement as it impacts life and property loss.

Credit for Industry Credentials

Any student with a nationally recognized fire instruction or preapproved departmental courses may be awarded college credit hours toward an A.A.S. degree in Fire Science. Students are required to complete at least 15 credit hours through ENMU-Roswell. A maximum of 33 credit hours can be awarded by Credit for Industry Credentials. Documents submitted for Credit for Industry Credentials must be the original or notarized copies (documents will not be returned).

Training must meet one of the following requirements:

1. International Fire Service Accreditation Congress (IFSAC) certification
2. National Board on Fire Service Professional Qualifications (Pro Board) certification
3. National Wildfire Coordinating Group (NWCG) credentialed courses
4. National Fire Academy courses
5. New Mexico State Fire Academy courses
6. Preapproved departmental courses.

Modern fire service requires personnel with comprehensive knowledge of all phases of fire protection. The Fire Science program provides instruction in general and specific areas of fire prevention, investigation, technology, and firefighting tactics. Additional courses are offered in fire service administration and fire service management.

General education courses do not have to be completed prior to enrolling in Fire Science courses. Credit for training will be awarded after the student is enrolled as a student at ENMU-Roswell

Fire Science AAS

Associate of Applied Science Degree

Required General Education Courses (16 Credits)

ENGL 2210 Professional & Technical Communication 3

MATH 1130	Survey of Mathematics	3
BIOL 1110	General Biology	3
BIOL 1110L	General Biology Lab	1
SOCI 1110	Introduction to Sociology.....	3
PHIL 2110	Introduction to Ethics	3

Structural (Urban) Firefighting Concentration (45 Credits)

FIRE 111	Firefighter I.....	5
FIRE 113	Firefighter II.....	5
FIRE 116	Basic Wildland Firefighting (FFT2)	3
FIRE 117	Hazardous Material Awareness/Operations	3
FIRE 119	Basic Auto Extrication	2
FIRE 121	Fire Officer 1	3
FIRE 124	Fire Instructor I	3
FIRE 158	Principles of Emergency Services.....	3
EMS 175	AEMT	6
EMS 175L	AEMT Lab	2
EMS 176L	AEMT Clinical	2
EMS 202	Introduction to Paramedic.....	4
EMS 203	Human Systems	4

Total Hours Required for Degree: 61

Note: Some courses may have prerequisites.