

FIRE INVESTIGATION (FIRE)

FIRE 101 Firefighter I 8 Credits (8)

This course will train the student to the Firefighter I level as outlined in NFPA 1001, Standard for Firefighter Professional Qualifications. Firefighter I certification issued through the New Mexico Firefighter's Training Academy upon successful completion (IFSAC accredited). (6+6P)

Prerequisite(s)/Corequisite(s): OEEM 103 and FIRE 115

Repeatable: up to 8 credits

[View Course Outcomes](#)

FIRE 102 Fire Fighter I and II 12 Credits (12)

This course will train the student as outlined in NFPA 1001, Fire Fighter Professional Qualifications. Firefighter I & II Certification issued through the New Mexico Firefighter's Training Academy (NMFTA) upon successful completion [International Fire Service Accreditation Congress (IFSAC) & Pro Board accredited].

Prerequisite(s)/Corequisite(s): FIRE 115, FIRE 252, OEEM 103

[View Course Outcomes](#)

FIRE 104 Firefighter II 8 Credits (8)

This course will train the student to the Firefighter II level as outlined in NFPA 1001, Standard for Firefighter Professional Qualifications. Firefighter II certification issued through the New Mexico Firefighter's Training Academy upon successful completion (IFSAC accredited). (6+6P)

Prerequisite(s): FIRE 101

Prerequisite(s)/Corequisite(s): FIRE 252

Repeatable: up to 8 credits

[View Course Outcomes](#)

FIRE 112 Principles of Emergency Services 3 Credits (3)

This course provides an overview to fire protection and emergency services including career opportunities in fire protection and related fields. The organization and function of public and private fire protection services is studied including how fire departments fit as part of local government. An overview of laws and regulations affecting the fire service is explored along with specific fire protection functions and responsibilities including basic fire chemistry and physics, introduction to fire strategy and tactics and life safety initiatives.

Repeatable: up to 3 credits

[View Course Outcomes](#)

FIRE 114 Fire Behavior and Combustion 3 Credits (3)

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

[View Course Outcomes](#)

FIRE 115 Hazardous Materials Awareness and Operations 3 Credits (3)

This course will train the student to the Hazardous Materials Awareness and Operations level as outlined in NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120. Hazardous Materials Awareness and Operations certification issued through the New Mexico Firefighter's Training Academy upon successful completion (IFSAC accredited).

Repeatable: up to 3 credits

[View Course Outcomes](#)

FIRE 120 Fire Protection Hydraulics and Water Supply 3 Credits (3)

This course will train students on skill requirements for becoming a safe and effective fire apparatus driver/operator. The focus will be on pump operation, construction, testing, and mathematical calculation required for effective pump operation and fire control. Responsibilities of the driver/operator will be taught and assessed consistent with applicable NFPA standards and the New Mexico Firefighters' Training Academy (NMFTA) guidelines. Students who meet all course requirements will be eligible for International Fire Service Accreditation Congress (IFSAC) certification through the NMFTA.

Prerequisite(s)/Corequisite(s): FIRE 128

[View Course Outcomes](#)

FIRE 126 Fire Prevention 3 Credits (3)

This course will educate students about the principles and techniques of fire prevention and life-safety inspection and code compliance in accordance to NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Examiner, Level I. Students who meet all course requirements will be eligible for International Fire Service Accreditation Congress (IFSAC) certification through the New Mexico Firefighters' Training Academy (NMFTA).

[View Course Outcomes](#)

FIRE 128 Apparatus and Equipment 2 Credits (2)

The course will train students on attitude and skill requirements for becoming a safe and effective fire apparatus driver/operator. The focus will be on apparatus inspection, operation, maintenance, and specification. Responsibilities of the driver/operator will be taught and assessed consistent with applicable NFPA standards and the New Mexico Firefighters' Training Academy (NMFTA) guidelines. Students pursuing certification must possess a current and valid New Mexico driver's license. Students who meet all course requirements will be eligible for International Fire Service Accreditation Congress (IFSAC) certification through the NMFTA.

[View Course Outcomes](#)

FIRE 130 Principles of Fire and Emergency Services Safety and Survival 3 Credits (3)

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

[View Course Outcomes](#)

FIRE 200 Special Topics 12 Credits (12)

Specific subjects to be announced in the Schedule of Classes. Course may be repeated for credit as topics change.

Repeatable: up to 12 credits

[View Course Outcomes](#)

FIRE 201 Independent Study 3 Credits (3)

Research on an approved topic to meet graduation requirements. Meets or exceeds NFPA standards.

Repeatable: for total of 9 credits

[View Course Outcomes](#)

FIRE 203 Fire and Emergency Services Administration 3 Credits (3)

This course will provide students entry-level training in company operations and administration at the first-line supervisory level. The student will learn how to effectively manage human resources and community/public relations. Students will learn about fire department organization and administration; including budgets, reports, and planning. Students will learn the process involved in fire inspection, investigation, public education, emergency service delivery, and safety, per NFPA Standard 1021, Fire Officer Professional Qualifications.

Repeatable: up to 3 credits

[View Course Outcomes](#)

FIRE 210 Building Construction for Fire Protection 3 Credits (3)

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

[View Course Outcomes](#)

FIRE 220 Cooperative Experience I 3 Credits (3)

Supervised cooperative work program. Student is employed in an approved occupation and rated by the employer and instructor. Graded S/U.

Repeatable: for a maximum of 6 credits

[View Course Outcomes](#)

FIRE 221 Cooperative Experience II 3 Credits (3)

Apply advanced firefighting knowledge and skills while working with fire protection agencies. Meets or exceeds NFPA standards. Graded: S/U.

Prerequisite(s): FIRE 220

[View Course Outcomes](#)

FIRE 223 Fire Investigations I 3 Credits (3)

This course meets the requirements set forth in NFPA 1033 Professional Qualifications for Fire Investigator. This course will give a comprehensive understanding of the principles of fire investigation, scene examination, documentation, evidence collection/preservation, interview techniques, and post-incident investigations. Student who meet all course requirements are eligible for International Fire Service Accreditation Congress (IFSAC) certification through New Mexico Firefighters' Training Academy (NMFTA).

[View Course Outcomes](#)

FIRE 224 Strategy and Tactics 3 Credits (3)

Provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment and extinguishing agents on the fire ground. Covers the development of systematic action plans for emergency situations. Includes recognizing and prioritizing emergency scene needs and developing related strategies, tactics and contingencies. Educates students on how resources should be deployed to implement those plans.

[View Course Outcomes](#)

FIRE 225 Fire Protection Systems 3 Credits (3)

This course provides information relating to the features and design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

[View Course Outcomes](#)

FIRE 230 Fire Service Instructor 3 Credits (3)

[View Course Outcomes](#)

FIRE 232 Firefighter Internship 3 Credits (3)

Application of knowledge, skills and abilities in a fire service department, as a firefighter intern and integrated member of a fire affiliated agency.

Prerequisites: FIRE 101, FIRE 102, FIRE 115, FIRE 202 and EMT-B.

Restricted to majors.

[View Course Outcomes](#)

FIRE 233 Practical Approach to Terrorism 3 Credits (3)

Gives responder an overall safety approach in recognizing and responding to incidents involving terrorism. Presents an overview in types of harm, explosive weapons, chemical weapons, biological weapons and radiological weapons.

[View Course Outcomes](#)

FIRE 252 Vehicle Extrication 2 Credits (2)

This course will train the student to the Vehicle & Machinery Extrication level I as outlined in NFPA 1006, Standard for Technical Rescuer Professional Qualifications. Vehicle & Machinery Extrication certification issued through the New Mexico Firefighter's Training Academy upon successful completion (IFSAC accredited).

Repeatable: up to 2 credits

[View Course Outcomes](#)