

Course Descriptions

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) RECERTIFICATION

Live-burn practical exercises required to maintain FAA certification for airport fire department personnel. **Full protective clothing is required. PPE must comply with NFPA Standards and must pass inspection by Academy staff. Proper clothing must be worn under the student's protective clothing. This includes full-length pants and long-sleeve shirt made from at least 100% natural fibers or Nomex equivalent. Coveralls may be worn in place of the full-length pants and long-sleeve shirt.** Minimum Enrollment: 10; Maximum Enrollment: 40.

BASIC FIREFIGHTER EMERGENCY MEDICAL CARE

This 16-hour course is part of the Firefighter I Series and is one of the prerequisite classes for the core Firefighter I course. This course is the American Heart Association (AHA) first-aid class and includes AHA CPR and is designed for the entry-level firefighter. Minimum Enrollment: 6; Maximum Enrollment: 12.

BASIC INCIDENT COMMAND SYSTEM (IS-100/IS-200)

This 24-hour block of training is required as a prerequisite for Firefighter I and Firefighter II, and will meet the national and state requirements for Incident Command training for emergency responders. The test given at the end of each course will be sent to FEMA and, upon achieving a passing grade, a certificate will be issued by FEMA, in addition to a certificate from the New Mexico Firefighters Training Academy. A FEMA certificate issued from the successful completion of the identical FEMA on-line courses or an NWCG I-100/I-200 course will be accepted for this prerequisite. Minimum Enrollment: 10; Maximum Enrollment: 40.

BUILDING CONSTRUCTION

This course is designed to improve firefighter safety on the fire ground. This course will demonstrate the effects that fire and heat may have on various types of building construction and the resulting loss of structural integrity. It also includes information on the signs and symptoms of structural damage. Minimum Enrollment: 10; Maximum Enrollment: 20.

CERTIFICATION TESTING

Open testing day for participants who need to retest or want to challenge. Testing will be held on-site at the New Mexico Firefighters Training Academy in Socorro, NM. **A General Admission Application form must be submitted at least 30 days prior to the test date.** Please contact the Fire Academy (1-800-734-6553) for more information. Minimum Enrollment: 10; Maximum Enrollment: 30.

DEFENSIVE DRIVING

This 6-hour course focuses on collision prevention techniques, recognition and avoidance of those common driving violations which may result in collision and citation. This course is classroom only and was developed by and is certified through the National Safety Council. Minimum Enrollment: 6; Maximum Enrollment: 25.

EMERGENCY VEHICLE DRIVING

This is a 16-hour class with 8 hours of classroom instruction and 8 hours of practical driving skills that includes a driving course. This class is a prerequisite to the Driver Operator/pump operations course. The driver training course includes items which address both the attitude and knowledge of the potential emergency vehicle driver while responding to an emergency as well as an understanding of the emergency vehicle driver's responsibility during non-emergency situations. Minimum Enrollment: 10; Maximum Enrollment: 16.

FIREFIGHTER I

This 80-hour course is designed to train the student to Level 1 as outlined in NFPA 1001, Professional Qualifications Standard. Course includes IFSAC Certification. **Full protective clothing is required. PPE must comply with NFPA Standards and must pass inspection by Academy staff. Proper clothing must be worn under the student's protective clothing. This includes full-length pants and long-sleeve shirt made from at least 100% natural fibers or Nomex equivalent. Coveralls may be worn in place of the full-length pants and long-sleeve shirt.** Minimum Enrollment: 10; Maximum Enrollment: 24.
Prerequisites: Basic Firefighter Emergency Medical Care and IFSAC Hazardous Materials: Awareness and Operations. The Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) will NOT be accepted as the Hazardous Materials prerequisite for any course.

FIREFIGHTER II

This 80-hour course is designed to train the student to Level 2 as outlined in NFPA 1001, Professional Qualifications Standard. Course includes IFSAC Certification. **Full protective clothing is required. PPE must comply with NFPA Standards and must pass inspection by Academy staff. Proper clothing must be worn under the student's protective clothing. This includes full-length pants and long-sleeve shirt made from at least 100% natural fibers or Nomex equivalent. Coveralls may be worn in place of the full-length pants and long-sleeve shirt.** Minimum Enrollment: 10; Maximum Enrollment: 24.
Prerequisites: IFSAC Firefighter I, Vehicle Extrication and Hose & Hydrant Testing.

FIRE INSPECTOR I

This 40-hour course is a Fire Service Inspection course for both uniformed and civilian inspectors. This course will educate inspectors about the principles and techniques of fire prevention and life-safety inspection and code compliance. It addresses NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Examiner, Level I. It is strongly recommended that students bring a laptop computer for use during this class. This is an IFSAC accredited course. Minimum Enrollment: 8; Maximum Enrollment: 24.

FIRE INVESTIGATOR I

This 40-hour course is hands-on and designed to meet 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. Applicants should provide a copy or other documentation of a completed background check when submitting the course application. Minimum Enrollment: 10; Maximum Enrollment: 20.

FIRE OFFICER I

The objective of this 40-hour course is to provide entry-level training in company operations and administration at the first-line supervisory level. Upon successful completion of this course, the student will be able to find ways to effectively manage human resources; community/public relations; fire department organization and administration, including budgets, reports, and planning; fire inspection, investigation, and public education; emergency service delivery; and safety, per NFPA Standard 1021, Fire Officer Professional Qualifications. Major topics covered in the course are the role of the fire officer, the fire officer's responsibility in facing compliance and accountability, recognizing and managing cultural diversity, safety and wellness of fire personnel, quality management within the organizational structure, community awareness, public relations, fire safety education, functional leadership, problem solving, performance appraisal, building construction, fire cause determination, effective communication skills, and incident command system with strategy and tactics. Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, learner presentations/reports, quizzes, completion of required practical skills and the IFSAC certification examination. It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 8; Maximum Enrollment: 20. Prerequisites: IFSAC Firefighter II Certification, Fire Service Instructor I, and Basic Incident Command (I-100/200).

FIRE OFFICER II

This 40-hour course is designed to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications. This course will include both classroom and hands-on activities, including in-depth scenario. It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 8; Maximum Enrollment: 20. Prerequisite: Fire Officer I.

FIRE ORIGIN AND CAUSE DETERMINATION

This 40-hour course is a hands-on course, designed to give the firefighter a comprehensive understanding of fire investigation. Completion of this course will meet the requirements of one module of the Firefighter II Certification Series. This course is designed to teach students the techniques of determining fire origin and cause. Subjects include Fire Behavior, Building Construction, Building Safety, Scene Search, Arson and Scene Indicators, Arson Determination, Evidence Detection and Gathering, and Fatal Fires. Coveralls, work boots, hard hat and gloves are recommended. Minimum Enrollment: 10; Maximum Enrollment: 24. Prerequisites: Introduction to Firefighting, Firefighter I, or Letter of Recommendation from Department Chief.

FIRE PROTECTION SYSTEMS

This 40-hour course will provide a basic overview of the components of fire protection systems, the operational features of installed fire protection systems. This class will also provide an overview of plans review of fire protection shop drawings and final inspection techniques of installed fire protection systems. Minimum Enrollment: 8; Maximum Enrollment: 24.

FIRE SERVICE INSTRUCTOR I

This 40-hour course is designed to train the student as outlined in NFPA 1041, Fire Service Professional Qualifications. Course includes IFSAC Certification. It will teach instructors and trainers how to organize and teach a course effectively using existing lesson plans. Upon successful completion of this course, the student will be able to make an effective classroom presentation based on appropriate lesson plans. It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 8; Maximum Enrollment: 16.

FIRE SERVICE INSTRUCTOR II

This 40-hour course is designed to train the student as outlined in NFPA 1041, Fire Service Professional Qualifications. Course includes IFSAC Certification. It will prepare the student to use instructional methodologies that address various learning styles and teaching methods, and to plan and develop lessons and programs for the purpose of delivering instruction. Upon successful completion of this course, the student will be able to describe and define instructional terms; use reference materials; use various instructional methods and techniques; use instructional materials and aids; evaluate learning; maintain training records and reports; describe concepts of learning; use communications methods and skills; and be aware of instructor roles and responsibilities. It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 8; Maximum Enrollment: 20. Prerequisite: Fire Service Instructor I.

FIREWORKS TRAINING FOR THE FIRE SERVICE

This 8-hour course will provide basic introduction to the State law governing fireworks. It will also provide an overview of inspection techniques of fireworks sales locations and also will provide an overview of the permissible type of fireworks that can be sold as consumer fireworks. Please contact the State Fire Marshal's Office, 1-800-244-6702, for more information. Maximum Enrollment: 40.

FLAMMABLE LIQUIDS/LPG EMERGENCIES

Completion of this 40-hour course will meet the requirements of one module of the Firefighter II Certification Series. This course is designed to instruct the student in the handling of different types of flammable and combustible liquid emergencies. Subjects include Definitions, Properties, and Use in the Market Place, Installations, Transportation, Water use, Foam Application, and Fireground Evolutions. **Full protective clothing is required. PPE must comply with NFPA Standards and must pass inspection by Academy staff. Proper clothing must be worn under the student's protective clothing. This includes full-length pants and long-sleeve shirt made from at least 100% natural fibers or Nomex equivalent. Coveralls may be worn in place of the full-length pants and long-sleeve shirt.** Minimum Enrollment: 10; Maximum Enrollment: 20. Prerequisites: IFSAC Firefighter I Certification.

HAZARDOUS MATERIALS: AWARENESS AND OPERATIONS

This 40-hour course will fulfill the prerequisite classes for the core Firefighter I and Firefighter II courses. This course is designed to train the student to 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. Course includes IFSAC Certification. Minimum Enrollment: 10; Maximum Enrollment: 40.

HAZARDOUS MATERIALS: CHEMISTRY

This 40-hour course will fulfill the prerequisite class for Hazardous Materials: Technician. This course is designed to train the student as outlined in NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120. Course includes IFSAC Certification. Minimum Enrollment: 10; Maximum Enrollment: 40.

HAZARDOUS MATERIALS INCIDENT COMMAND

This 32-hour course supplies the incident commander with the knowledge and skills to perform their role as the person responsible for all decisions relating to the management of the incident. The candidate will learn about personal protective clothing, decontamination, branch functions with the incident Management System, and the overall tactics to properly mitigate a hazardous materials incident. Minimum Enrollment: 10; Maximum Enrollment: 30.

HAZARDOUS MATERIALS: TECHNICIAN

This 80-hour course will fulfill the requirements for NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120. Course includes IFSAC Certification. Minimum Enrollment: 6; Maximum Enrollment: 14. Prerequisites: IFSAC Firefighter I Certification, IFSAC Hazardous Materials: Awareness & Operations, Hazardous Materials: Chemistry, Liquefied Petroleum Gas Emergencies, and Flammable Combustible Liquids.

HOSE AND HYDRANT TESTING

This 16-hour course is designed to deal with theory and practical skills necessary for hose and hydrant testing according to NFPA standards. Class will include documentation methods of testing and proper calculation of flows. Protective clothing complying with NFPA Standards and long pants and long-sleeved shirt is required. Minimum Enrollment: 10; Maximum Enrollment: 24.

INSTRUCTOR DEVELOPMENT WEEKEND

Please contact the New Mexico Firefighters Training Academy, 1-800-734-6553, for information.

OPEN TEST DAY

Open testing day for participants who need to re-test or challenge. Testing will be held off-site; please refer to course calendar for test sites. **A General Admission Application form must be submitted to the NMFTA at least 30 days prior to the test date.** Please contact the Fire Academy (1-800-734-6553) for more information.

OPEN TRAINING DAY:

NMFTA facilities will be available for requested training in all areas. A 30-day advanced request, with application, will be required before any training is scheduled. Please contact the New Mexico Firefighters Training Academy for more information (1-800-734-6553). Minimum Enrollment: 10; Maximum Enrollment: 30.

PUMP OPERATIONS AND HYDRAULICS

This 40-hour course is designed for students who are responsible for operating apparatus with fire pumps. The course will introduce the student to the basic skills and knowledge required to operate a fire pump that provides the necessary water supply while maintaining the mechanical soundness of the pump. The course includes classroom instruction and outside practical skills. Protective clothing complying with NFPA Standards and long pants and long-sleeve shirt is required. Minimum Enrollment: 10; Maximum Enrollment: 24.

RIT FIREGROUND SURVIVAL

This 24-hour course provides training for Fire Officers and Firefighters on rapid intervention team roles and responsibilities, further to assist fire departments in meeting the requirements of NFPA 1500, "standard on fire department during emergency operations," as well as OSHA 29 CFR 1910.134, "respiratory protection". Minimum Enrollment: 8; Maximum Enrollment: 16.

ROPE RESCUE: AWARENESS AND OPERATIONS

This 40-hour course meets the first two of the three levels of training described in Chapter 5 of NFPA 1670 Standard on Operations and Training for Technical Search and Rescue Incidents; a mixture of classroom instruction and practical skills experiences look at basic rope use concepts, incident organization, and rigging of equipment used to affect a rescue. Leather boots and leather gloves, to be supplied by the student, are required. Helmets and harnesses will be supplied by the New Mexico Firefighters Training Academy. Students may use their own harnesses and personal protective equipment if it passes NFPA and NMFTA standards. Class size is limited. This is a prerequisite for Firefighter II Certification. Minimum Enrollment: 10; Maximum Enrollment: 18.

ROPE RESCUE: TECHNICIAN

This 40-hour course meets the third level of training described in Chapter 5 of NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents, and General Requirements, Levels I & II of Chapter 6, NFPA 1006 Rescue Technician Professional Qualifications; a mixture of classroom instruction and practical skills experiences look at higher levels of skills involved in rope rescue. Leather boots and leather gloves, to be supplied by the student, are required. Helmets and harnesses will be supplied by the New Mexico Firefighters Training Academy. Students may use their own harnesses and personal protective equipment if it passes NFPA and NMFTA standards. Class size is limited. Minimum Enrollment: 10; Maximum Enrollment: 18. Prerequisites: Rope Rescue: Awareness and Operations.

STRUCTURAL FIREFIGHTING

Completion of this 40-hour course will meet the requirements of one module of the Firefighter II Certification Series. This course is designed to give the firefighter a comprehensive understanding of structural fires and suppression tactics. Subjects include Fireflow Formula, Offensive and Defensive Attacks, Strategy and Tactics, Direct and Indirect Attacks, Incident Command System, and Fireground Evolutions. **Full protective clothing is required. PPE must comply with NFPA Standards and must pass inspection by Academy staff. Proper clothing must be worn under the student's protective clothing. This includes full-length pants and long-sleeve shirt made from at least 100% natural fibers or Nomex equivalent. Coveralls may be worn in place of the full-length pants and long-sleeve shirt.** Minimum Enrollment: 10; Maximum Enrollment: 20. Prerequisites: IFSAC Firefighter I.

VEHICLE EXTRICATION

This 24-hour course is designed to introduce the student to the basic concepts and skills of vehicle extrication. Minimum Enrollment: 7; Maximum Enrollment: 14.

VEHICLE ARSON

This 12-hour hands-on Vehicle Fire Class consists of Live Burn and hands on Investigation; How to investigate and discover behavior of fire in vehicles, vehicle systems, compartments, stolen vehicles and owner give-ups. Minimum Enrollment: 8; Maximum Enrollment: 20.

WILDLAND FIREFIGHTER I

This 40-hour course may be used as a prerequisite for Firefighter I, and is the full version of the S-130 Firefighter Training and S-190 Wildland Fire Behavior, with the addition of the L-180 Human Factors on the Fireline, as required by the National Wildfire Coordinating Group (NWCG) for Red Card certification. The course will include the hands-on training "field day" and appropriate PPE should be worn to include hard hat, eye protection, long sleeve shirt, long pants, leather boots and leather gloves. All cotton clothing is acceptable in lieu of Nomex wildland PPE. This course will include IFSAC testing on the last day of class to include a 50 question written test and practical skills exam. Please note that Incident Command I-100 is no longer a part of this class and must be taken as a separate course. Minimum Enrollment: 10; Maximum Enrollment: 30.

WILDLAND FIRE INVESTIGATION

This 8- hour course is designed to teach sound Wildland fire observations and Origin scene protection practices that enable first responders to a Wildland fire scene to perform proper origin scene protection procedures. The course is presented by short lectures, electronic presentations, exercises, and class discussion. Minimum Enrollment: 8; Maximum Enrollment: 30.
