

# Course Descriptions

## ***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.

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## ***CERTIFICATION TESTING***

Open testing day for participants who need to retest or want to challenge. Challenges are only available for HMAO and Firefighter I/II. Testing will be held on-site at the New Mexico Firefighters Training Academy in Socorro, NM. or other designated locations. **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.

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## ***INTRODUCTION TO FIRE ORIGIN AND CAUSE***

This 32-hour course is classroom based and designed to give the firefighter a comprehensive understanding of fire investigation. This course is designed to teach students the techniques of determining fire origin and cause. Subject areas covered include: fire behavior, building construction, building safety, scene search, arson indicators, arson determination, evidence detection and collection, and fatal fires. Minimum Enrollment: 10. Maximum Enrollment: 24. Prerequisites: Introduction to Firefighting, Firefighter I, or Letter of Recommendation from Chief of Department.

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## ***FIRE APPARATUS DRIVER OPERATOR (EVD)***

This is a 24-hour class comprised of both classroom instruction and the completion a series of practical skills that includes a driving course. This class is a prerequisite to the Driver Operator/Pumper 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. Course includes IFSAC Certification. Minimum Enrollment: 10; Maximum Enrollment: 16.

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## ***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 and ProBoard 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.

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## ***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 and ProBoard 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,

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## ***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 and ProBoard accredited course. Minimum Enrollment: 10; Maximum Enrollment: 24. Prerequisites: IFSAC Hazmat A&O

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## ***FIRE INVESTIGATOR I***

This 40-hour course is 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 or letter from Chief of Department when submitting the course application. PPE or coveralls, work boots, hard hat, and gloves are required. Course includes IFSAC Certification. Minimum Enrollment: 10. Maximum Enrollment: 20. Prerequisites: Fire Origin and Cause.

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## ***FIRE OFFICER I***

Fire Officer I is a forty (40) hour course designed to provide entry-level training in company operations and administration at the first-line supervisory level and to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications.

Upon successful completion of this course, the student will be able to qualify for certification at the Fire Officer I level (NFPA 1021) and function as an entry level company officer. The student will be able to effectively manage human resources, community/public relations, fire department organization and administration (including budgets, reports, and planning), fire inspections and investigations, community risk reduction, emergency services delivery, and safety.

This course will include both classroom and hands-on activities, including in-depth scenarios that will assist the student in the development and successful completion of the required JPR based student projects. It is strongly recommended that students bring a laptop computer for use during this class.

This course is designed to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications. Course includes IFSAC Certification. Minimum Enrollment: 10. Maximum Enrollment: 20. Prerequisites: Fire Fighter II and Fire Instructor I.

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## ***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. Course includes IFSAC Certification. It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 10; Maximum Enrollment: 20. Prerequisite: Fire Officer I.

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## ***FIRE OFFICER III***

This 40-hour course is designed to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications. Fire Officer 3 will be 100% JPR based, the student will be expected to complete a 2 year plan portfolio for their department which will be based upon the 22 JPR's listed on NFPA 1021-2114 standard. Students will have the option of either creating new documents for their Portfolio JPR's or you may use your departments existing SOP's, SOG's or policies. If you use an existing document to satisfy a JPR, you must write a brief explanation of the document (250 words or more) to validate that you understand the intent of the JPR. If you do make changes to an existing document you are also required to explain what you did and why you did it. Course includes IFSAC Certification. **It is required that the student bring laptop, memory stick (flash drive or portable hard drive) the student will also need a 2 inch binder with tabs.** Minimum Enrollment: 10; Maximum Enrollment: 14. Prerequisite: Fire Officer 2.

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## ***FIRE OFFICER IV***

Fire Officer IV is an eight (8) hour refresher and information course designed to focus on the knowledge and skills required for the administrative and operational challenges of the fire service in the 21st century. You must apply for this course within two (2) years of completion of the Fire Officer III course. This course begins with a quick review of the textbook and an overview of the JPR based Projects. The students will have an opportunity to ask any questions regarding their JPR based Projects. The 12 JPR based Projects will need to be completed within one (1) year of the beginning of this course and submitted to the course coordinator. The course coordinator and/or a designated Fire Officer IV Adjunct Instructor, will review the Projects and depending on its accuracy will be accepted or sent back for remediation. When the student's Projects have been completed and accepted by the New Mexico Firefighters Training Academy (NMFTA), the student will then be eligible to sign up for the Fire Officer IV test at any open test site.

Upon successful completion of this course, the student will be able to qualify for certification at the Fire Officer IV level (NFPA 1021) and function as the chief fire officer for an organization. The student will be able to participate in the day-to-day administrative and operationally focused process of fire service organizational activities. This includes: human resources management (appraise, evaluate, and initiate changes), professional development, employee management, educational and training needs, employee assistance and incentive programs, community outreach and leadership, long range planning, community hazard analysis and risk reduction, disaster and civil disturbance planning, budgeting (capital improvements), and comprehensive health and safety programs.

This course is designed to meet the requirements set forth by NFPA 1021, Fire Officer Professional Qualifications. Fire Officer IV is 100% Project based. Course includes IFSAC Certification. Prerequisite: IFSAC Fire Officer III.

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## ***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 and ProBoard 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: 10; Maximum Enrollment: 16.

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## ***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: 10; Maximum Enrollment: 20. Prerequisite: Fire Service Instructor I.

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## ***FIRE SERVICE INSTRUCTOR III***

This 40-hour course is designed to train the student as outlined in NFPA 1041, Fire Service Professional Qualifications. Course includes IFSAC Certification.

The Fire Service Instructor III shall meet the requirements for Fire Service Instructor II and the JPRs (Job Performance Requirements) defined in Sections 6.2 through 6.5. Fire Service Instructor III course is a forty (40) hour course designed to focus on the knowledge and skills needed to develop comprehensive training curricula and programs for use by single or multiple organizations; conduct organization needs analysis; and develop training goals and implementation strategies. The course also focuses on the concepts needed to effectively manage a training program in addition to conducting course/program evaluation procedures to determine program validity and reliability.

It is strongly recommended that students bring a laptop computer for use during this class. Minimum Enrollment: 10; Maximum Enrollment: 14. Prerequisite: Fire Service Instructor II. Prerequisite: Instructor 2

It is required that the student bring laptop, memory stick (flash drive or portable hard drive) the student will also need a 2 inch binder with tabs.

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## ***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.

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## ***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.

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## ***HAZARDOUS MATERIALS: AWARENESS AND OPERATIONS***

This 40-hour course will fulfill the prerequisite classes for the core Firefighter I and Firefighter II as well as Fire Inspector 1 courses. This course is designed to train the student to Awareness and Operations Level as well as mission specific competencies for PPE and Product Control as outlined in NFPA 1072, Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications and OSHA 29 CFR 1910.120. Course includes IFSAC and Proboard Certification.

Minimum Enrollment: 10; Maximum Enrollment: 30.

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## ***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 1072, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents and OSHA 29 CFR 1910.120. Minimum Enrollment: 10; Maximum Enrollment: 40.

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## ***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,

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## ***HOSE AND HYDRANT TESTING (Online Course)***

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.

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## ***INSTRUCTOR DEVELOPMENT WEEKEND***

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

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## ***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.

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## ***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.

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## ***FIRE APPARATUS DRIVER OPERATOR: PUMPER***

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. Course includes IFSAC Certification. Minimum Enrollment: 10; Maximum Enrollment: 24. Prerequisites: IFSAC Fire Apparatus Driver Operator (EVD)

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## ***FIREFIGHTER SURVIVAL***

This course is designed to introduce students to basic fire ground operations; and familiarization of the details of positions on the fire ground. This course will also introduce the concepts of a RIT/RIC team on the simplest basis for students to build on in the future. The classroom portion of Firefighter survival is meant to express rules, tips and techniques on how not to get into a situation where a RIT/RIC team will be activated. This course also goes over when a firefighter should call a "MAYDAY" and the proper procedure on how to convey the information to the commander for the best chance of survival. Prerequisite: IFSAC FFI

This course is very labor intensive and demands a large amount of physical activity. Therefore, all applicants and candidates should be physically fit. Minimum Enrollment: 10; Maximum Enrollment: 18.

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## ***TECHNICAL RESCUER: ROPE RESCUE 1***

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. Course includes IFSAC Certification. 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 Technical Rescuer Rope Rescue 2. Certification. Minimum Enrollment: 10; Maximum Enrollment: 18.

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## ***TECHNICAL RESCUER: ROPE RESCUE 2***

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. Course includes IFSAC Certification. 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: Technical Rescuer: Rope Rescue1.

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## ***STRUCTURAL FIREFIGHTING***

Completion of this 40-hour course is designed to give the firefighter a comprehensive understanding of structural fires and suppression tactics. Subjects include fire flow Formula, Offensive and Defensive Attacks, Strategy and Tactics, Direct and Indirect Attacks, Incident Command System, and Fire ground 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.

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## ***TECHNICAL RESCUER: VEHICLE RESCUE 1 (VEX)***

This 32-hour course is designed to introduce the student to the basic concepts and skills of vehicle extrication. Course includes IFSAC Certification. Minimum Enrollment: 10; Maximum Enrollment: 16.

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## ***FIREFIGHTER I / II COMBO ONLINE***

This 120-hour course is designed to train the student as outlined in NFPA 1001, Fire Fighter Professional Qualifications. Course includes IFSAC and ProBoard Certification. Upon successful completion of this course, the student will be able to demonstrate the minimum job performance requirements (JPR'S) for a career or volunteer firefighter whose duties are primarily structural in nature. The book portion of this course is completed on-line followed by two weeks of hands on training at NMFTA in Socorro, NM

**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.

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