

MONMOUTH COUNTY FIRE ACADEMY

A DEPARTMENT OF THE MONMOUTH COUNTY FIRE MARSHAL'S OFFICE



FIRE TRAINING COURSE CATALOG

REVISED 8/5/2025



Student Registration

Registration forms can be found at:

www.visitmonmouth.com

Go to “Departments” and click on Fire Academy, then click on “Academy Forms”

Registration forms can be emailed or mailed to:

Email: mcfmregistration@mcfmnj.org

Mail: Monmouth County Fire Academy

1027 Highway 33 E.

Freehold, NJ 07728



Fire Academy Training Course Catalog

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Fire Academy Training Course Catalog

Mission Statement

The Monmouth County Fire Academy prides itself as a customer focused fire and emergency response Training Facility providing superior fire protection and emergency services training. The Mission of the Monmouth County Fire Academy is to develop an instructional delivery system through which a standardized firefighter training curriculum is developed and implemented to train the maximum number of volunteer and career firefighters and other emergency service personnel.

MANDATED ACTIVITIES:

Provide annual updates and training of firefighters for Right to Know, Haz Mat, Bloodborne Pathogens, SCBA Recertification, Fit Testing, Advanced SCBA Recertification.

Provide and maintain a Live Fire Permit Type A for the Monmouth County Fire Academy Training Facility as per N.J.A.C.5:73-2.5.

Provide and maintain the Monmouth County Fire Academy Training Facility as per N.J.A.C.5:73-2.4

Provide Firefighter I Certification as per N.J.A.C.5:73-4.3(a), which includes classroom instruction, practical evolutions, and testing procedures.

Provide Firefighter II Certification as per N.J.A.C.5:73-4.3(b), which includes classroom instruction, practical evolutions, and testing procedures.

Provide Fire Officer I Certification as per N.J.A.C.5:73-8.2(a), which includes classroom instruction and testing.

Provide Fire Officer II Certification as per N.J.A.C.5:73-8.2(d), which includes classroom instruction and testing.

OTHER PRINCIPAL ACTIVITIES:

Provide instruction for firefighters to develop the skills necessary to command and control emergency operations involving fire, rescue, hazardous materials, and weapons of mass destruction incidents.

Provide instruction to develop the managerial and leadership skills of all levels of fire officers.

Provide instruction to develop skills in fire department support functions to include fire prevention, fire inspection and public education.

Provide instruction to develop a keen focus regarding the safety, survival, and well-being of both firefighters and the public we protect.

Provide Junior Firefighters training to create an ongoing pool of Human Resources for County Fire Departments.

Provide off-site training at satellite locations throughout the County of Monmouth.



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History of the Monmouth County Fire Academy



Fire service education in Monmouth County began with the Monmouth County Fire College. The college consisted of six courses, all of which had to be taken to complete firefighting training. Instead of having a dedicated building the Monmouth County Fire College rotated amongst six different locations around the County typically being held in various fire departments.

Leonard A. Mack served as the Fire Marshal of Monmouth County from 1965 through 1973. Marshal Mack negotiated on behalf of Monmouth County with Naval Station Earle to obtain property for the County to build a fire academy. The Monmouth County Fire Academy was completed in 1972

where it still sits at its present location at 1027 US Highway 33 East, Freehold Township, NJ. The original Fire Academy was a small three bay building. When classes were held the three pieces of apparatus housed in the building were moved outside to allow for chairs to be set up for the students. The Fire Academy was renovated over the years and eventually grew to 9,625 square feet. In 2001 research and funding began for a further renovation of the Fire Academy which was diligently pursued by both Board of Chosen Freeholder Theodore Narozanick and Fire Marshal Timothy Smith. Renovations were completed in 2009, doubling the size of the building to 22, 841 square feet to adequately house the Fire Marshal's Office, Fire Academy staff and serve the Fire Departments of Monmouth County.

In 2002 the Fire Marshal's Office decided to combine the National Fallen Firefighters Service which is held annually in the month of May at the National Fire Academy in Emmitsburg, Maryland with the annual Monmouth County Firefighter Memorial and Awards Day so that both the Fallen Firefighters and the bravest in Monmouth County could be recognized by their peers. The first Annual Fallen Firefighters and Awards Day was held on October 6, 2002, in Union Beach at "Fireman's Park". The annual service was hosted by several departments around Monmouth County from 2002 until 2010. In October of 2018, what has become known as Monmouth County Fire Marshal's Office and Fire Academy "Medal Day" was held at the Monmouth County Fire Academy where Fire Marshal Kevin Stout and the Board of Chosen Freeholders held a dedication for the newly constructed Monmouth County Fallen Firefighter's Memorial Garden. The garden is home to sculptures, water features, plaques, and reflection benches where members of the fire services, family members and the public can sit and quietly honor both those that have fallen in the line of duty as well as those that still dedicate themselves to the fire service today.





Fire Academy Training Course Catalog

Contact Information

Address:

Monmouth County Fire Academy
1027 Highway 33 East
Freehold, NJ 07728

Telephone:

732-683-8857

Please Note:

Incoming calls to Academy trainees should be restricted to emergencies (illness, accidents, etc.) Emergency messages will be delivered to student immediately.

If a student needs to telephone the Academy to report any lateness, absence, emergency, or other problem and is not able to speak to someone in person the trainee shall leave a message on the main telephone number answering machine system. The trainee shall then send an email to the program coordinator(s) (Firefighter 1 and II classes), or to ff1@mcfmnj.org with pertinent information.





Fire Academy Training Course Catalog

General Information

Course Information

All training held during the daytime will begin at 8 a.m. and end at 4 p.m. Classes held during the evening will begin at 7 p.m. and end at 11 p.m. unless otherwise notes on the course announcement or specified by the course instructor (course announcements can be found on our website, Facebook, or Instagram page).

Registration and Fees

Registration for all courses at the Monmouth County Fire Academy are on a “first come, first serve basis”. Therefore, we suggest that registrations be sent in early for all courses that have a maximum number of students allowed.

Fees:

- There is no fee for residents of Monmouth County to register for courses offered by the Monmouth County Fire Academy.

The following are fees for Out of County students and departments:

- Firefighter I (cost per student): \$500.00
- Firefighter II (cost per student): \$400.00
- Combined Firefighter I/Firefighter II (cost per student): \$750.00
- Firefighter Advanced Courses (cost per student): \$ 50.00 per day
(Not to exceed \$200 for any course)

- Use of drill-ground (per department session): \$500.00
- Delivery of field program per day: Staff Cost

Please note that any drill ground “no show” or cancellations less than 24 hours in advance will result in a \$200.00 fee for both in-county and out-of-county departments .

Class Full Notice

Once all seats in a particular class are full a notice reading “Class Full” will appear on the website next to the class name. The same notification will also be posted on our Facebook and Instagram page.



Fire Academy Training Course Catalog

Chief Officer/Training Officer Approval

You must have approval by a Chief Officer or Training Officer to register for any courses offered by the Monmouth County Fire Academy. There is a section on the bottom of the registration form for approval which **MUST** be filled out to be registered for class.

Academy Entrance Requirements for Firefighter I and II

- All Firefighter I and Firefighter II candidates must be at least 18 years of age and a member in good standing with a fire department.
- An application must be handed in to the Academy complete with the signature of the Chief Officer from the department sending the candidate(s) to the academy.
- A medical form must be signed and stamped by a doctor's office clearing the candidate's name.
- If the student's physical expires (more than 1 year) before the last day of class a new form must be completed.

Firefighter I and Firefighter II Certifications

A trainee shall be considered eligible for certification when, among other requirements, the academy training coordinator affirms that:

- The trainee has achieved the minimum requirements for examination grades as set forth by the New Jersey Division of Fire Safety, completed all required certifications, completed all required class modules, and demonstrated an acceptable degree of proficiency during all drill-ground activities.

Certifications

Certificates of completion will be awarded on the final day of any course given by the academy to students that have successfully completed all class requirements. All certificates are printed based on information that was given upon registration or information that has been saved on the academy database. Please make sure that spelling is correct, and handwriting is legible. If you have previously attended courses at the Monmouth County Fire Academy and have recently changed fire departments or have moved, please make sure that you notify academy staff so that the appropriate changes can be made to your personal information on the academy database. The way your information is entered online will be the way that your certificate will be printed.

Accidents While at the Fire Academy

All injuries, no matter the severity is documented on fire academy forms. Serious injuries and/or injuries that require transport to a medical facility will prompt immediate notification of the injured person's fire department chief officer. Any firefighter suffering an injury must present a clearance for duty/training form from a medical facility to be permitted back to class.



Fire Academy Training Course Catalog

Academy Guidelines

Cell phone Use:

Cell phones should be set to silent mode or turned off, unless given further instruction by an academy instructor.

Smoking:

Smoking is prohibited within the fire academy building and within and drill-ground areas. Smoking is permitted at designated smoke areas only. The designated smoking areas are at the two front entrances on Erickson Drive and at the south entrance at the fire marshal's parking lot. Smoking is NOT permitted within the Monmouth County Fallen Firefighters Memorial Garden. All cigarettes shall be disposed of in the appropriate receptacles and shall not be thrown on the ground.

Breaks:

Breaks are given at the discretion of the instructors. Lunch breaks will be given for all 8 a.m. to 4 p.m. classes. The time frame will also be at the discretion of the instructors.

Dress Code:

Firefighter I and II

- In the interest of student safety, all Firefighters I and II students are required to wear clothing that will enhance safety and well-being for the duration of their training. This clothing guideline is to be in effect for each Firefighter I and II training session regardless of what lecture or practice activity is listed for that day.
- For the safety of our students, all Firefighter I and II candidates are prohibited from wearing synthetic clothing. Synthetic clothing degrades rapidly upon exposure to extreme heat conditions. While all our students are required to wear complete personal protective equipment (PPE), this additional requirement will further protect our students.
- No student (or their department) is to be subjected to the hardship of purchasing additional safety equipment such as uniforms, but students are required to be in non-synthetic clothing. Jeans, crewneck t-shirts, and/or sweatshirts are to be worn while at the fire academy. These are everyday items that are commonly cotton. These items wear well and offer a higher degree of safety without subjecting our students to financial hardships.
- Non-cotton (synthetic) items made of polyester such as spandex or Under Armor are not to be worn.
- Shorts, tank tops, or sleeveless of any kind shall not be worn.
- No flip-flops shall be worn.
- Hats shall not be worn in the classroom.
- No political propaganda, obtrusive, or obscene references, gestures, pictures, or slogans of any type printed or studded on clothing shall be worn.
- Our requirements are in accordance with N.F.P.A Standard 1500 Fire Department Occupational Safety Health Program, 2007 Edition, section 7.1.6.
- Students found in violation of this safety guidelines may be sent home immediately and required to make up the training day. If the student is sent home, that day will count as an absence.



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Fire Academy Advanced Classes:

- Appropriate attire shall be worn to all academy classes
- Shorts, tank tops, or sleeveless shirts of any kind shall not be worn.
- Hats shall not be worn in the classroom

Date Changes

Before registering for an academy class please make sure that you can attend on the date(s) listed on the course announcement. If a course date needs to be changed after the course announcement has been made the date change will be posted on our website as well as our Facebook and Instagram pages. The academy staff will also make every attempt to send a mass email out to any individual enrolled in the class so please ensure that your email address is correct and legible on the registration form.





Fire Academy Training Course Catalog

Course Descriptions New Jersey Certification Courses

Firefighter I

212 Hours

This course is for entry level firefighters. This class teaches basic firefighting techniques and skills in accordance with N.F.P.A Standard 1001 and N.J.A.C. 5:73 4.3. Firefighter I consist of both classroom lectures and skill-oriented drill sessions. Student performance is evaluated throughout the course with a final skill evaluation day at the end of the program. The New Jersey Division of Fire Safety's standardized Firefighter I test is given as the written final exam.

All Firefighter I students will receive the following certifications during the Firefighter I program:

- MCFA Firefighter I Certification (Firefighter I state certification must be applied for by the student upon completion of the course.) - (Upon passing a state examination)
- Hazardous Materials Awareness (Upon passing a state examination)
- Hazardous Materials Operations (Upon passing a state examination)
- Developmental Disabilities
- ICS-200c

All Firefighter I students will have to complete the following classes via internet-based classroom lessons, print out, and submit the certificate of completion to fulfill program requirements:

- ICS 100c
- ICS 700c
- ICS 800c
- Traffic Incident Management

In addition, all students must obtain a CPR/AED card.

All candidates must have the following NFPA and OSHA complaint Personal Protective Equipment for structural firefighting:

- SCBA
- Spare air cylinder
- PASS device
- Turn-out coat
- Turn-out pants
- Structural firefighting boots
- Helmet/eye protection
- Protective hood
- Structural firefighting gloves

Class size: Maximum 28 students per class



Fire Academy Training Course Catalog

Course Descriptions New Jersey Certification Courses

Firefighter II **120 Hours**

This course is for firefighters that want to build upon what they learned in Firefighter I and learn more advanced techniques of firefighting. This is a 120-hour course that meets the requirements of N.F.P.A 1001, Standard for Firefighter Professional Qualification. Upon completion of this course, students will have learned the skills and principles of effective communications, Incident Command, firefighting equipment, flammable liquid and gas emergencies, use of foam, technical rescue awareness, vehicle extrication, firefighter survival, advanced fire behavior, RIT Rescue techniques and ventilation techniques. Student performance is evaluated throughout the program. The New Jersey Division of Fire Safety's standardized Firefighter 2 test is given as the written final exam.

- Note: the ICS-200c Certification along with Firefighter 1 Certification and 3 years of service qualifies the student for IMS level 1 Certification.

**Prerequisite: Firefighter I*

Class size: Maximum 20 students

Combined Firefighter I and II **250 Hours**

This course combines the entry level course for firefighters as well as the next step: Firefighter II. It is designed to combine the job performance requirements (JPR's) for both classes allowing students to complete two major certifications in a shorter timeframe.

Class size: Maximum 28 students

Fire Instructor I **40 Hours**

This is a 40-hour course that prepares the student to become a state certified Level 1 Instructor based on NFPA 1041, standard for fire service instructor professional qualifications, and 2002 edition, specified at N.J.A.C. 5:73-5.2(C). There will be a written exam that must be passed to complete the course and qualify for the state certification.

Students will learn the following skills throughout this program: assembling course material, use of instructional aids and evaluation tools, reviewing and adapting lesson plans, and learning the administrative records keeping functions of the instructor. All students will have to present a lesson to the class from a prepared lesson plan.

**Textbooks are required, but not provided by the academy for this class.*

All students must bring the 9th edition of the IFSTA Fire and Emergency Services Instructor Manual

Class size: Maximum 24 students



Fire Academy Training Course Catalog

Course Descriptions New Jersey Certification Courses

Fire Instructor Level 2

40 Hours

This is a 40-hour course that prepares the student to become a state certified Level 2 Instructor. There will be a written exam that must be passed to complete the course and qualify for the state certification.

Students will learn the advanced skills for managing instructional resources, how to schedule training sessions, how to supervise and coordinate the activities of other instructors, evolution of subordinate instructors, how to develop evaluation instruments, and how to analyze the results of student evaluations.

**Textbooks are required, but not provided by the academy for this class.*

All students must bring the 9th edition of the IFSTA Fire and Emergency Services Instructor Manual

Class size: Maximum 24 students

Drill-Ground Instructor

This one-day course is required for anyone wishing to obtain or new Drill-ground Instructor Certification issued by the N.J. Division of Fire Safety. The intent of this course is to ensure that instructors understand the safety issues and adopted NFPA 1403 standards inherent in SCBA/Smokehouse and Live Burn firefighting training. The students will be provided with a basic understanding of identifying and correcting unsafe situations as they occur and will review various safety concerns regarding drill-ground instructional activities and student performance criteria. As a certified instructor this class is required to be taken every 3 years.

FEMA ICS-200c

16 Hours

This is a 16-hour course that discusses the importance of an incident management system, the understanding and skills needed by emergency responders to use the system effectively. This course provides an overview of the incident command structure and works within ICS guidelines through scenario-based group exercises. Topics covered in this class are leadership, management, delegation of authority, management by objective, functional areas, positions, briefings, organizational flexibility, and transfer of command.

This course meets the requirements of N.J.A.C. 5:75-6.1 for certification of Incident Management Level 1.

**Prerequisite: ICS-100 & ICS-700*



Fire Academy Training Course Catalog

Course Descriptions New Jersey Certification Courses

FEMA ICS-300c

24 Hours

This is a 24-hour course that builds upon FEMA ICS-200c and instructs on the next level of the incident management system. Scenario-based group exercises are used throughout this class to show students effective application of the incident command system at this level. This course will cover the following topics: ICS staffing and organization, transfer of command, unified command functions in a multi-jurisdictional or multi-agency incident, ICS forms, resource management, and interagency mission planning and procurement. The course meets the requirements of N.J.A.C. 5:75-6.1 for certification of incident Management Level 2.

**Prerequisite: ICS-200 & ICS-800*

FEMA ICS-400c

16 Hours

This is a 16-hour course that builds upon the ICS 300 level of incident management. Both lecture and interactive group scenarios are used to show students the effective uses of the level 400 incident management system at large events and emergency situations. The course is designed for the individual that will have duties that require the direct involvement in incident management or command at either a “field” incident command post or in a city, county, or regional emergency operations center. This course meets the requirements of N.J.A.C. 5:75-6.1 certification of Incident Management Level 3.

**Prerequisite: ICS-300*

Fire Officer I

45 Hours

This 45-hour long Fire Officer series is designed to build the skills necessary to be an effective fire service leader. The Fire Officer I course is the first course in the series and is designed to meet the education and time requirements if N.F.P.A 1021, standard for fire officer professional qualifications, 4th edition, for the Fire Officer I and N.J.A.C. 5:73-8.2 qualifications for Fire Officer I. Students who successfully complete the course will be eligible to take the NJ State Fire Officer 1 certification test. The certification test will be given approximately two (2) weeks after the last day of class. This course content will include a mixture of lectures, case studies, and classroom exercises. The goal is to stimulate classroom interaction centered on what we should be doing versus what we are doing as a company officer. This course acquaints the student with the role of the company officer in a fire department and introduces basic management and leadership theories, practices, and functions. Other topics include firefighter health and safety, managing resources, planning and readiness, fire prevention, building construction, and risk management. The course concludes with an introduction to the basic principles and methods associated with fireground tactics and strategy as required of the company officer.

****Textbooks are required, but not provided by the academy for this class.***

Book needed: J + B Fire Officer 4th edition

**Prerequisite: Firefighter 1 and 3 years of service.*

Class size: Maximum 30 students



Fire Academy Training Course Catalog

Course Descriptions New Jersey Certification Courses

Haz Mat On-Scene Commander

This course has been designed specifically to address the requirements imposed by the federal statute for On-Scene Incident Commanders. The requirements imposed on this functional level have major implications for emergency response agencies; non-compliance could produce serious ramifications for an organization in terms of liability and negligence of duty. The classification of On-Scene Incident Commander incorporates all personnel who may be expected to assume control of an incident. This includes all Chief Officers, Fire Captains, and Acting Captains.

**Textbooks are required, but not provided by the academy for this class.*

Book needed: J+B Managing the Incident 5th edition – Hazardous Materials.





Fire Academy Training Course Catalog

Course Descriptions Advanced Class Offerings

***Firefighter I Certification is required to take all Advanced Class offerings. Additional course prerequisites will be listed at the bottom of the course description.**

Active Shooter: F.D Response

This course will address fire department response to an active shooter incident and will incorporate the challenges that commanders on the scene will have to face in the mitigation of such a dynamic situation. The course will also stress the fire department roles and responsibilities and discuss who is in charge at such an incident. Establishment of the incident command system as well as command, control, and accountability procedures upon arrival are integral topics also covered in this course. The all-important aspects of interagency collaboration and coordination of command and control will also be stressed. The course will provide an awareness of the command staff of the importance of MOU's, with agencies in their respective AOR's, development of department SOP's, and exercising those plans on a regular basis.

Advanced Engine Company Operations

24 Hours

This 24-hour classroom and hands-on program objective is to provide students (officers, drivers, and firefighters) with ideas and techniques to enhance engine company operations in the suburban setting. The techniques presented take into consideration modern building construction, today's fire apparatus, equipment, and realistic staffing expectations. It also covers apparatus positioning, water supply, engine company assignments, hose line selecting, stretching and placement, standpipe operations, initial master stream operations, and uncommon operations.

*You **MUST** possess a NJ DFS FF1 certificate to attend.
100% attendance is required*

Advanced SCBA

This course goes beyond SCBA use and introduces the student to air management awareness and techniques. 20 hours are dedicated to hands on techniques which include air management techniques (Rielly and Skip breathing), air consumption rate and Mayday review drills as well as a full night dedicated to the UCANA drill. Further training focuses on reduced profile and entanglement maneuvers and the negotiation of same. Finally, a full day is dedicated to Confidence and Team Skill courses. The focus is on air management as it applies to real world operations.

Class size: Maximum 20 students



Fire Academy Training Course Catalog

Course Descriptions Advanced Class Offerings

Ashes to Answers: The Fire Departments Investigative Impact

This comprehensive fire investigation course is designed to educate fire service personnel, law enforcement, and related professionals on the critical principles, practices, and responsibilities involved in determining the origin and cause of fires. Participants will explore the fundamentals of fire behavior, fire dynamics, investigative techniques, evidence preservation, legal consideration, and interagency coordination.

**Prerequisite: State Certified Fire Fighter I*

Building Construction for the Fire Service

This class builds upon Firefighting I training and addresses today's construction concerns as well as the increasing complexity and challenges of 21st century building construction methods and materials. This class will focus on the recognition of the potential for unexpected building conditions faced by first responders

Topics include: The 5 major types of building construction, significant issues by construction class, new innovations in construction practices, lightweight materials and engineered structural components, large residential construction issues, podium construction issues, and command considerations regarding today's construction problems.

**Textbooks are required, but not provided by the academy for this class.*

Book needed: Brannigan's Building Construction for the Fire Service 6th edition.

Building Construction Refresher

This course will focus on building construction issues that firefighters must be aware of to operate more safely in the buildings we are entering. Discusses will be fire spread concerns inherent to the five types of building construction, as well as structural deficiencies in which all officers and firefighters must be aware of. Renovations, vacant buildings, and those being constructed with substandard materials will also be covered. Strategies outlining how to address these buildings and their idiosyncrasies will be a further focus point. Offering solutions to address the concerns discussed. If you or your department has not reviewed building construction in a while, this course is for you.

Confined Spaces Awareness

This awareness-level course is intended for any emergency response personnel who might be required to respond to an incident involving confined space. The material is presented to educate response personnel on how to protect themselves from potential hazards. The course was developed by the New Jersey State Police OEM Hazardous Materials Emergency response Planning Unit. The course provides the student with a basic understanding of how to define and identify a confined space. Emphasis is placed on hazard recognition and the dangers associated with confined spaces. Various guidance and regulatory standards will be discussed. Case histories will be used to illustrate the potential dangers of confined space entry and rescue. A review of confined space rescue procedures is presented to the student.



Fire Academy Training Course Catalog

Course Descriptions Advanced Class Offerings

Elevator Rescue and Emergencies

Emergency personnel with inadequate training in responding to stalled elevators are exposed to an increased risk of injury and death to both the victims and themselves. Learn how to remove passengers safely and effectively from stalled elevators as well as basic elevator procedures. Topics include nomenclature, safety, how an elevator functions, construction, elevator safety devices, possible equipment needed, initial response steps, lock-out/tag-out procedures, elevator doors, use of hoist way door keys/pick tools, poling, and firemen services (phase 1/phase 2).

**Requesting departments are urged to secure an elevator-equipped building for the hands on/ demonstration portion of the course.*

Fire Police

This program prepares students to function as fire police officers with a focus on safety. The students will understand how to perform the basic duties of the position as well as gaining an understanding of the laws and regulations affecting the performance of such duties. The course is presented in lecture, power point, and video formats utilizing the N.J. Division of Fire Safety Fire Police Basic Course manual.

Handline University

16 Hours

This 16-hour all hands-on live fire course will cover the art and skill of sizing up, choosing, deploying, and operating handlines in a variety of different situations that may be encountered on the fireground. This class will cover:

- Handline Stretch Review
- Handline Management
- Courtyard Stretch
- High Rise Stretching
- Flowing while Advancing
- Bulk Bed Stretch
- Upper Floor Stretch
- Foam Operations

Class size: Maximum 16 students





Fire Academy Training Course Catalog

Course Descriptions Advanced Class Offerings

NFA Incident Safety Officer

16 Hours

This 16-hour NFPA 1521 Incident Safety Officer course is a part of the New Jersey State Fire Officer requirements and provides students with a solid foundation and knowledge to identify and analyze safety concerns and to communicate recommended solutions to the command authority. The class focuses on emergency scene operations using the Incident Command System (ICS). The course will further cover the role of Department Health and Safety Officer (HSO) and the scope of the duties required for the position. The course also provides information on safety during training where a great number of preventable accidents occur.

Li Battery Emergencies Awareness

The Lithium-Ion Battery Emergencies Awareness is a course to provide emergency responders with an education on the technology of Lithium-Ion batteries and how they are used. The course also covers how thermal runaway occurs and methods of handling emergencies involving devices such as vehicles, energy storage systems, micro mobility devices, tools, phones, and more. Lastly the course will review decontamination of equipment.

**Prerequisite: State Certified Fire Fighter I*

New Jersey Fire Prevention Inspector

27 Sessions

This 27-session class will cover the inspections of buildings and premises to identify and eliminate fire hazards and enforce the provisions of relevant fire safety codes and related regulations. These buildings are classified as Non-Life Hazard and Life Hazard use for compliance with the Uniform Fire Safety Code. The following topics will be discussed: Issuing Fire Safety Permit(s), investigation of fire safety complaint(s), registering businesses as a Non-Life Hazard Use, Performing Life Hazard, and Non-Life Hazard inspections to ensure compliance with the Uniform Fire Code.

**Textbooks are required, but not provided by the academy for this class.*

Not Your Father's Truck Company Operations

20 Hours

This 20-hour course covers several topics as it pertains to department and individuals that will be working in a truck company capacity. This class is designed to be interactive in both hands-on and lecture portions of the class. Open dialogue and "brainstorming" are highly encouraged during our instructor led discussions and lecture portions of this class. There will also be a group competition that will help enforce the concept of working as a team.

This course will cover the following topics: Forcible entry, primary search, ground ladders, water can operations, V.E.I.S., and roof operations.

Class size: Maximum 24 students



Fire Academy Training Course Catalog

Course Descriptions Advanced Class Offerings

Basic Pump Operations

24 Hours

This 24-hour course is intended to help the students meet the requirements on NFPA 1002 standard for apparatus driver/operator professional qualification 2017 edition.

- The following topics will be covered in classroom sessions:
- Pump operator's duties and responsibilities
- Pump principles and construction
- Pump peripherals
- Water supply
- Pump operations
- Discharge maintenance and troubleshooting
- Hydraulic theory and principles
- Flow and friction loss
- Pump discharge pressure calculations

The students will then receive hands-on experience as a Pump Operator by pumping a fire engine from a static source at draft, and from a pressurized source (fire hydrant), as both a supply engine and an attach engine during tandem pumping

Class size: Maximum 40 students

Traffic Incident Management

Traffic Incident Management (TIM) Responder Training brings police, firefighters, DOT, towing, medical personnel, and other incident responders together to engage in interactive and hands-on incident resolution exercises. Learning to coordinate response activities and optimize operations is vital to responding effectively in the field and to building a unified national practice on incident management.

Understanding Fire Dynamics & Ensuring Safety During Hostile Fire Events

This course is designed for firefighters and fire officers to help them understand the dynamics of a working fire. Effective communication and recognition of hostile fire events is crucial for ensuring safety on the fireground. Many topics will be covered in an interactive learning environment, including fire chemistry, reading smoke, flow paths, rollover, flashover, black fire, water mapping, thermal rebound, vent point ignition, smoke explosion, BLEVE (boiling liquid expanding vapor explosion)

Vacant and Abandoned Building Awareness

Operating at a vacant or abandoned structure is inherently more dangerous than an occupied structure. This course describes preplanning, incident command decisions, and proper security for these buildings and incidents involving them. This class should be attended by firefighters responding on first arriving units making incident command decisions on a scene.



Fire Academy Training Course Catalog

Drill-Ground Activities

Burn Building Features

The Monmouth County Fire Academy has one burn buildings, and one hands on training building on the property. Our newest burn building is two-stories with a four-story tower. This building features four Class A burn rooms, a standpipe in the tower for high rise operations, 5 forcible entry props, and a variety of fire attach options. Our original burn building is now a hands-on training building, also two- stories with a four-story tower. This burn building features one Class A burn room and a standpipe in the tower for high rise operations, Mask Confidence Course and RIT Operations props..



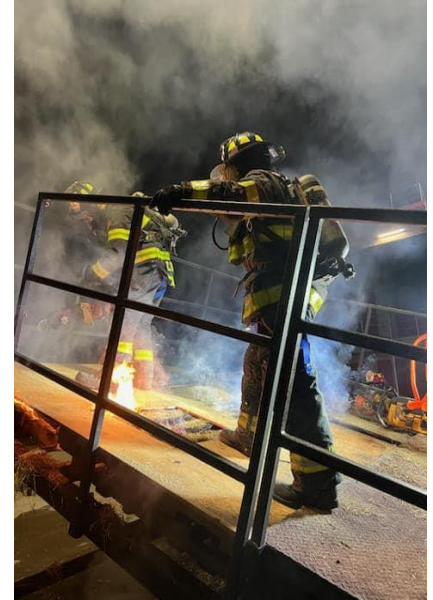


Fire Academy Training Course Catalog

Hands-On Activities and Live Burns

Drill-Ground Activities offered by the Monmouth County Fire Academy

- Aerial operations
- Car Fires
- Drafting
- Elevated structure burn
- Extinguisher (water can) operations
- Forcible entry
- High rise fire operations
- Knots and hoisting
- Laddering
- Live fire attach
- Live fire search and rescue
- Mask confidence
- RIT operations
- Roof ventilation using our roof prop (flat roof or peak roof)
- Vehicle extrication
- V.E.I.S Operations





Fire Academy Training Course Catalog

Drill-Ground Activity Guidelines

- Drill ground activities must be scheduled at least three weeks in advance and is done on a “first come, first serve” basis or as directed by the academy.
- Drill grounds can be scheduled for weekdays, Monday through Friday or weeknights, Monday through Thursday. Weeknight drill grounds run from 7:00 p.m. through 10:00 p.m.
- Weekend drill grounds are based on facility availability
- Cancellation of a drill ground activity must be done 24 hours prior to the scheduled activity. Failure to do so can result in a late cancellation/no-show fee. Inclement weather condition cancellations are at the discretion of the academy
- Any department requesting a car fire or vehicle extrication drill ground activity will be responsible for both the delivery and removal of any and all vehicles used.
- Departments requesting the use of the roof prop must bring 4' x 8' x 1/2" or 3/4" plywood (not particle board or OSB) to the drill.

Drill ground request forms and additional guidelines and rules can be found on our website:

<https://co.monmouth.nj.us/page.aspx?ID=4844>

You may also follow the steps on the “Course Registration” page to access our website.

It is strongly recommended that departments use the “Scenario Guideline Burn Menu” to plan their evolutions. This can be found on our website in the drill ground section.





Fire Academy Training Course Catalog

Junior Firefighter Program

Our Junior Firefighter Program is a program which provides those from the ages of 14-18 who wish to pursue a firefighting career with an introductory education of firefighting basics. The goal is to educate and prepare the junior firefighters to take the Firefighter I class upon turning 18 years of age. Therefore, most of the topics covered in Firefighter program will be covered in some capacity in the Junior Firefighter Program (except for live burn activities). Some of the topics covered during the junior firefighter sessions include (but are not limited to):

This course runs in two (2) sessions – Basic in the spring and Advanced in the fall.

- Firefighter safety and health
- Firefighting tools and equipment
- Firefighting response objectives

Junior firefighting sessions take place every other Wednesday of the month and start at 6:00 p.m. Sessions last approximately 3 hours long. Fire department mentors must accompany junior members to the sessions.

