



COUNTY OF BERGEN
DEPARTMENT OF PUBLIC SAFETY
LAW AND PUBLIC SAFETY INSTITUTE · POLICE, FIRE & EMS ACADEMIES
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Bergen County Fire Academy In House Classes 2018

Incident Safety Officer

This National Fire Academy course will enable the student to function effectively as the Safety Officer at a fire Department incident operation. The primary focus shall be on developing decision-making skills through the recognition of cues that affect personal safety.

The role of the Incident Safety Officer (ISO) falls into two clear-cut categories:

- 1) Those associated with responding at the incident scene.
- 2) Those associated with managing the day-to-day affairs of the department.

CONTENT:

This program will be presented by the Academy staff in five, three-hour blocks that consist of incident specific scene-oriented lessons, designed to teach what a Safety Officer at an incident needs to know.

Highway Safety

This course, offered in conjunction with the Volunteer Firefighters Insurance Service has three objectives:

1. Understand the goal of the program
2. Recognize the importance of a highway safety program
3. Identify the elements of a comprehensive highway safety program

The course identifies a highway as “any roadway on which a vehicle related incident could occur.

Emergency Vehicle Drivers Course

3 Lessons 9 Hours Limit: 30 Students Out of County Fee: \$150

PURPOSE:

This course was designed by the U.S Fire Administration and will be taught by the Fire Academy staff, for the purpose of educating firefighters to the need for driving safety and to develop techniques in offensive and defensive driving.

6 students to 1 vehicle maximum and the use of your Apparatus

CONTENT:

This course will be presented by Academy staff in three/ three-hour blocks and will consist of lecture, videotape and slide/tape presentations in addition to practical exercises, teaching safe techniques and practices for driving emergency vehicles.

Pump Operator

Academy staff in 12 three-hour blocks will present this program with a written and practical evaluation on the last night of the class. The course consists of lecture, slide/tape and video presentations in addition to practical exercises. Pump Operator One was designed to train the firefighter to provide effective fire streams from fire service pumps.

Fire Police

This course was derived from the Burlington County Fire Police Association's Recruit Fire Police Training Program. Developed in 1991, and first offered in 1992, the Burlington County course soon became a sought after course throughout the State. In 1994, the Division of Fire Safety in conjunction with the Burlington County Fire Police Association revised this course with the intention of making it available statewide. Endorsed by the Training and Education Advisory Council, the New Jersey Fire Safety Commission, and the New Jersey State Fire Police Association, this course will now serve as the State recognized Fire Police Recruit Training Program.

CONTENT:

Lesson 1 Course Intro, Note Taking, and Incident Command

Lesson 2 Demeanor, History, Law & Duties, and Investigations

Lesson 3 Arrest, Enforcement Powers, Courts

Lesson 4 Incident Command I-100

Lesson 5 Hazardous Materials Awareness Part 1

Lesson 6 Hazardous Materials Awareness Part 2

Elevator Emergencies & Use of Elevator Systems

6 Hour Class: 3 Hour Lecture & 3 Hour Practical

The program will review the types of elevators, the component parts of elevator systems and the type of elevator emergencies. The program will cover in detail "Fire Service Phase I and Phase II" operations, the proper way to operate the components parts of the hoist-way and elevator car doors and the hazards associated with operating in the hoist-way shaft. Procedures for Fire Department use of elevators during fire incidents and for the safe removal of occupants from stalled elevators will be presented. The importance of identifying the type of elevator and pre-planning will be discussed. The program will also present information on new elevator technologies such as elevators without machine rooms and the latest requirements for fire service keys. The program will focus on safe fire service operations while operating at elevator emergencies. The class may be delivered as a lecture only or practical hands on session(s) can also be scheduled to visit sites in the local jurisdiction to reinforce the information presented in class.

Drill Ground Instructor

The General Safety Course was designed to ensure that the class participants know and understand the safety issues inherent in all subject areas of recruit and ongoing firefighter training.

Fire ground Strategies: Incident Command, Fire ground Organization & Size-Up

This course covers the fireground experience from arrival through termination. Size-up factors, command structure, strategy selection and modification are discussed. Further discussed are ongoing fireground operations such as decentralizing the fireground, progress reports, and a comprehensive look at post-control activities. This course can also be lengthened to include scenarios.

Truck Company Operations

This course covers all aspects of truck company operations including incident priorities, tactical planning, and the various duties of truck company personnel. Included are sections on forcible entry, search and rescue, laddering, ventilation, over-haul, salvage, utility control, and apparatus positioning.

Fireground Strategies: Operational Safety

This course also covers the fireground experience from arrival through termination and beyond. It is aimed at developing an organization to support and maintain fireground safety. Discussed are the 10 rules for engagement for structural firefighting, risk management, apparatus positioning guidelines, use of tactical worksheets, span of control, as well as Safety Officer and RIC Team duties. Further discussed are building search considerations, TIC considerations, master stream considerations, emergency fireground communication, vacant building dangers, and demobilization operations. Finally, a guide to an effective post-fire critique is discussed

Fireground Strategies: Private Dwellings

This course covers various types of private dwellings from both a fire spread and structural problem viewpoint. Also discussed are both firefighting concerns and life safety concerns inherent in this type occupancy. Strategic considerations and interior fire control factors are discussed, with the point of entry rule of thumb explained in detail to assist the fire and command officer in proper decision-making on the fireground. Engine and Ladder Company tactics are discussed as well as tactical considerations common to these occupancies. The second half of the course consists of an interactive scenario that will allow the student to apply the information taught in the first half of the course. Discussion of the scenario answers round out the course

Fireground Strategies: Contiguous Structures: Row Houses, Townhouses, Garden Apartments and Brownstones

This course covers various types of contiguous structures from both a fire spread and structural problem viewpoint. Broken into old and new style contiguous structures, both firefighting concerns and life safety concerns inherent to each are discussed. Strategic considerations and interior fire control factors are also discussed, with the point of entry rule of thumb explained in detail to assist the fire and command officer in proper decision-making on the fireground. The second half of the course consists of an interactive scenario that will allow the student to apply the information taught in the first half of the course. Discussion of the scenario answers round out the course

Fireground Strategies: Strip Malls, Taxpayers, Mixed-Use Occupancies

This course covers firefighting concerns and life safety concerns inherent in strip malls, taxpayers, and mixed-use occupancies. Strategic considerations and interior fire control factors are discussed for each, with the point of entry rule of thumb explained in detail to assist the fire and command officer in proper decision-making on the fireground. The second half of the course consists of an interactive scenario that will allow the student to apply the information taught in the first half of the course. Discussion of the scenario answers round out the course.

Engine Company Operations

This course covers all aspects on engine company operations from the standpoint of both the Company officer and the Incident Commander. Discussed are concepts such as line placement priorities, water supply, standpipe and sprinkler supply operations, and coordination between attack and support operations.

Rapid Intervention Awareness

This program will provide a fireground needs assessment of RIT operations for the Incident Commander and specifically provide all members operating on the fireground with an awareness of who, what, when, where, and how a RIT team is developed, staffed, and deployed. RIT composition, tool assignments, operational responsibilities, size-up, common terminology, and post-incident analysis will be addressed in detail. Emergency control of radio communication channels, mayday, and urgent messages and their relationship to RIT operations will also be discussed. In addition, this program will provide fire service instructors with a recognized guide to utilize in preparing their departments to gain the knowledge and skills required to achieve RIC Awareness.

Emergency Radio Communications

This three (3) hour classroom and hands-on Mayday radio communication course will familiarize firefighters, company officers, and command officers with best practice communication procedures and methods specifically designed to assure the

efficient rescue of distressed firefighters. Specific components such as command actions, culture of the mayday message, calling the mayday, state and national standards/regulations, building evacuation, PAR, and the actions required of the mayday firefighter will be discussed. Emphasis will be placed on the development, awareness, and use of department wide standard operating guidelines designed to ensure the effective use of these procedures and Rapid Intervention Crews in the mayday environment.

Non-Combustible Construction: Principles & Hazards Refresher

3 Hours 1 Lesson

The program will review non-combustible building construction principles and hazards, including the materials used in construction, the structural hierarchy of buildings, and the common occupancy types where non-combustible construction is common. The program will cover in detail: the construction materials and methods employed in these types of construction, the collapse potential and indicators of collapse of non-combustible construction with special attention to buildings with bar joist truss roofs and wall panel construction. The program will also cover proper size-up techniques including the important size-up points for exterior wall construction and will focus on safe fireground operations.

What All Firefighters Should Know About Automatic Sprinkler and Standpipe Systems

3 Hours 1 Lesson

The program will deliver detailed information about automatic sprinkler systems, standpipe systems, and building fire pumps that will help firefighter and fire officers understand the basic design of these systems, the limitations of the systems, and how to use the building's fire protection systems most effectively and efficiently during fire operations. The program will help the fire officers make sound strategic decisions and employ effective tactics that complement the building's fire protection system, enabling fire suppression forces and the building's fire protection system to work together to control and suppress fires. The program will include a case study involving firefighter fatalities where the building's fire protection systems may have played a crucial role and an incident scenario for the students to work through to apply the information presented in the class.

Wood-Frame and Ordinary Construction: Principles & Hazards Refresher

12 hours, 4 lessons

This program will review wood frame and ordinary building construction principles and hazards, including the materials used in construction, the structural hierarchy of buildings, and the impact of renovations on buildings of wood frame and ordinary construction types. The program will cover in detail: the construction materials and methods employed in these types of construction, the fire spread potential and collapse potential and indicators of collapse of wood frame and ordinary construction with special attention to ordinary constructed building with truss roofs and wood frame buildings constructed with lightweight structural components. The program will also cover proper size-up techniques to identify the type of construction for a given building, and will focus on safe fireground operations. Case studies of buildings under construction or renovation the program will be utilized to explain how buildings are constructed, how fire spreads through buildings and how and why structural components fail under fire conditions. Case studies of fire incidents will also be presented to reinforce the course material.

Building Construction Principles for Incident Commanders and Safety Officers

6 hours, 2 Lessons

The program will present information regarding building construction hazards, collapse potential and recognizing building features that will be useful to firefighters and fire officers who are operating as the incident commander and or operations officer. Some of the specific areas covered in detail will be; firefighter fatality statistics, recognizing the type of construction, the building materials used in each type of construction and how these materials react to fire, identifying the fire spread and collapse potential of a building, the importance of identifying the floor levels in buildings with multiple stories and buildings which have a change in grade around the perimeter of the building, the importance of recognizing typical and non-typical floor layouts in buildings and recognizing what construction features will help or the command officers ability to conduct an proper and on-going size-up. Exterior wall construction will be reviewed in detail; how the wall construction may limit access to the building's interior and how to overcome the obstacles presented by the materials used in the wall construction. Several fire incident reports will be studied to learn from prior incidents to help command officers chose the best strategy and tactics based on the construction and floor location and floor plan of the building. The course will review how the contents of a building may complicate fireground operations

Fire Officer Workshop (3 Hour Lecture or Half Day Session)

This interactive workshop is more of a group discussion with skill drills that focuses on being a fire officer and effective leader within the organization. Participants will reinforce how the fire officer's role within the organization plays a vital part as well as how to manage responsibilities to create a positive environment. Chief level officers will also learn tips on how they create an environment of trust and learning to benefit their officer's and achieves enthusiasm towards the departments' mission statement. We will discuss having a vision, mission and how it connects all of us into a well-functioning department.

Traffic Incident Management

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ENGINE COMPANY OPS

FIRE EXTINGUISHER TRAINING

FIRE INSTRUCTOR

HAZ MAT REFRESHER

ICS 100, 700, 200, 300, 400

UTILITY HAZARD