

IN HOUSE CLASSES

Building Construction Principles for Incident Commanders and Safety Officers

9 Lessons 16 Hours Limit: 24 Students

Out of County Fee: \$165.00

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 are; firefighter fatality statistics, recognizing types of construction, building materials used in each type and how these materials react to fire.

There will be discussion on fire spread and collapse potential of a building. The program will discuss 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. 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.

DRILL GROUND INSTRUCTOR

2 Lessons 6 Hours Limit: 24 Students

Out of County Fee: \$95.00

This one-day course is required for anyone wishing to obtain or renew a Drill Ground Instructor Certification issued by the 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.

Elevator Emergencies & Use of Elevator Systems

2 Lessons, Lecture & Practical 6 Hours Limit: 24 Students

Out of County Fee: \$95.00

6 Hour program consisting of a 3 Hour Lecture & a 3 Hour Practical. The program will review the types of elevators, the component parts of an elevator systems and the type of elevator emergencies that may be encountered. 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 pre-planning and identifying the type of elevator will be discussed. Information will also be presented 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.

Requesting agency must obtain building with working elevator for hands on portion.

Emergency Radio Communications

1 Lesson 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

This three (3) hour classroom and hands-on Mayday radio communication course will familiarize firefighters, company officers, and command officers with "best practices" 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.

Emergency Vehicle Drivers Course

3 Lessons 9 Hours Limit: 24 Students

Out of County Fee: \$150

This course was designed by the U.S Fire Administration 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.

This course will be presented by Academy staff and will consist of lecture, video and PPT presentations in addition to practical exercises, teaching safe practices and techniques for driving emergency vehicles.

Engine Company Operations

1 Lessons 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

This course covers all aspects of 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.

Fire Officer Workshop

1 Lessons 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

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 the fire officer's role within the organization 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 achieve enthusiasm towards the departments' mission statement.

Fire Police

6 Lessons 18 Hours Limit: 24 Students

Out of County Fee: \$175.00

The Division of Fire Safety revised this course with the intention of making it available statewide.

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.

Highway Safety

1 Lesson 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

This course, offered in conjunction with the Volunteer Firefighters Insurance Service consists of three hours and a maximum of 30 students 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.

Incident Safety Officer

4 Lessons 16 Hours Limit: 24 Students

Out of County Fee: \$65.00

This 16-hour course examines the Safety Officer's role at emergency responses. A specific focus on operations within an Incident Command System (ICS) as a Safety Officer is a main theme. Response to all-hazards types of situations will be emphasized

Non-Combustible Construction: Principles & Hazards Refresher

1 Lesson 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

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. Special attention given 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 fire ground operations.

Pump Operator

10 Lessons 36 Hours Limit: 24 Students

Out of County Fee: \$325.00

This course consists of 12 three-hour blocks with both a written and practical evaluation on the final night of the class. The course consists of lecture, PPT and video presentations in addition to practical exercises. Pump Operator is designed to train firefighters to provide effective fire streams from fire service pumps.

Rapid Intervention Awareness

2 Lessons 6 Hours Limit: 24 Students

Out of County Fee: \$65.00

This program will provide a fire ground needs assessment of RIT operations for the Incident Commander and specifically provide all members operating on the fire ground 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 RIT Awareness.

Traffic Incident Management

1 Lessons 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

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

Truck Company Operations

2 Lessons, Lecture & Practical 6 Hours Limit: 24 Students

Out of County Fee: \$95.00

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.

What All Firefighters Should Know About Automatic Sprinkler and Standpipe Systems

1 Lessons 3 Hours Limit: 24 Students

Out of County Fee: \$65.00

The program will deliver detailed information about automatic sprinkler systems, standpipe systems, and building fire pumps that will help firefighters and fire officers understand the basic design of these systems, their limitations, and how to use the building's fire protection systems 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. This will enable 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

4 Lessons 12 Hours Limit: 24 Students

Out of County Fee: \$175.00

This program will review wood frame and ordinary building construction principles and hazards, including the materials used in construction, the structural hierarchy of buildings. This program centers on the impact of renovations in buildings of wood frame and ordinary construction types. The program covers in detail construction materials methods employed in these types of construction, fire spread, and collapse potential and indicators of wood frame and ordinary construction. Special attention will focus on 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, with focus on safe fireground operations.

Case studies of buildings under construction or renovation will be utilized to explain how buildings are constructed, how fire spreads through these buildings and how and why structural components fail under fire conditions.