



Homeland Security
and Emergency Services

Fire Prevention
and Control

A detailed photograph of a fire alarm control panel. The panel is filled with various components, including red and yellow pipes, valves, gauges, and electrical wiring. A prominent red valve with a handwheel is visible on the left. The background shows a wooden ceiling with recessed lighting. The overall scene is a complex technical environment.

2019

AVAILABLE IN-SERVICE TRAINING FOR THE
CODE ENFORCEMENT OFFICER
OR
BUILDING SAFETY INSPECTOR

Rev. 10/01/19

Alternative Fire Suppression Systems

This course will introduce the students to various agents used in alternative fire suppression systems. The course will show the chemical makeup of agents, how they work to extinguish a fire, and any potential harm that agents may have on people. Certain applications for alternative systems will also be discussed.

CEU Hours: 6 Hours

Topic Hours: 0-6-0

Dept of State Course: 49-6527

Course Location(s): Academy, Locally via Outreach

Codes for Commercial Kitchens

This is a one hour presentation that starts with understanding the commercial kitchen fire problem and how to involve food service managers in creating acceptable solutions within the code requirements and overall general safety in the commercial kitchen.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6092

Course Location(s): Locally via Outreach

Compartmentalization: Inspecting Fire-Resistance Rated Construction

This one hour presentation is intended for fire safety specialists, including code enforcement officials and designers with a special relationship to the college campus. Code references are to the 2015 International Fire Code, Building Code and the referenced 2013 edition of NFPA 80. The principles found herein represent sound fire safety principles that enjoy universal acceptance and will make a good departure point for those wishing to improve the level of building fire safety in their community.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6810

Course Location(s): Locally via Outreach

Consumer Fireworks in NY

This presentation covers the recent and continuing changes to the recent legislation regarding consumer fireworks. With explanation of applicable laws and rules, NFPA standards, the Office of Fire Prevention and Control, Department of State and local AHJ's roles and limitations.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6793

Course Location(s): Locally via Outreach

Crowd Manager for CEO's

This course is designed to relay information on the new code requirement for crowd managers that was included in the 2015 IFC. It will also give a CEO the chance to see the training requirements for crowd managers. This class details the requirements and walks the CEO through what they should be looking for when evaluating events and training programs.

CEU Hours: 2 Hours

Topic Hours: 1-1-0

Dept of State Course: 49-6945

Course Location(s): Locally via Outreach

Customer Service for the Professional Code Official

The course addresses the personal characteristics and acquirable skills needed to effectively, professionally, and with less conflict administer and perform code enforcement. Topics include professionalism, attitude, handling challenging people, effective listening and communication, citizen evaluation, and consistency.

CEU Hours: 1 Hours

Topic Hours: 1-0-0

Dept of State Course: 49-7144

Course Location(s): Locally via Outreach

Everything a Firefighter Wants to Tell a Code Official

The building and fire codes are ostensibly written to protect people and property from fire, but the truth is, neither the design and build community nor the building code community (which to a large extent comes from the design and build community) rarely take into account the needs and concerns of firefighters and other emergency responders. Firefighters tour buildings all the time to familiarize themselves with construction types; when do architects tour fire houses? Having a book-smart knowledge of the fire code is not quite the same as seeing the built environment through the eyes of a firefighter.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6249

Course Location(s): Locally via Outreach

Fire Alarm Basics

This three-hour course is designed to be an introduction to fire alarm systems. The course provides participants with an overview of the components and operation of the fire alarm systems. The course also shows how the fire alarm system could interact with other building systems.

CEU Hours: 3 Hour

Topic Hours: 1-2-0

Dept of State Course: 49-7156

Course Location(s): Locally via Outreach

Fire Alarm Systems Workshop

An overview of the components of a fire alarm system, as well as, the operation and design of such systems. It also includes inspecting existing fire alarm systems and fire department operations at alarmed buildings. The final session of this course consists of hands-on training in the fire alarm laboratory.

CEU Hours: 14 Hour

Topic Hours: 5-9-0

Dept of State Course: 49-6112

Course Location(s): Academy, Locally via Outreach

Fire Extinguisher Maintenance

Provides technical data on preventative maintenance, recharging, and periodic tests of fire extinguishers. Including practical work sessions on low-pressure hydrostatic proof testing on extinguishers, recharging techniques, and inspection and maintenance. Which is designed to improve the capability of fire department, industrial, college, and other personnel responsible for maintaining fire extinguishers. It is also designed for code enforcement officials wanting a better understanding of fire extinguisher requirements, distribution, placement along with inspection, testing and maintenance per the NYS Building and Fire Code.

CEU Hours: 12 Hour

Topic Hours: 10-2-0

Dept of State Course: 49-6813

Required Text: NFPA 10

Course Location(s): Academy

Fire Extinguishers for Code Officials

An introduction to the code official for portable fire extinguishers. Includes requirements for selection, ratings, distribution, hydro-test, recharge, inspection & maintenance of extinguishers. Also includes familiarization of NFPA 10 and related IFC code requirements.

CEU Hours: 1 Hour

Topic Hours: 1-0-0

Dept of State Course: 49-6945

Course Location(s): Locally via Outreach

Fire Inspector 1

This course is designed to follow the NFPA 1031 Fire Inspector I standard. Students will be introduced to various codes and standards in order to develop a working knowledge of their function in the inspection process. Topics addressed in this course include the fire inspector's responsibilities and role in code enforcement, general fire prevention practices, inspection competencies, life safety considerations

and enforcement, fire safety principles and requirements related to hazardous materials, special hazards of electrical, heating, and cooking equipment and systems, and fire protection systems and equipment. At the conclusion of the course, all students will complete the Fire Inspector I National Certification Examination. There is a \$25 registration fee for the exam (in addition to the \$25 registration fee for the course), and registration for the exam will take place on the first day of class. *** Please note the course length is 40 hours for 21 CEU hours.

CEU Hours: 21 Hour

Topic Hours: 10-11-0

Dept of State Course: 49-6738

Course Location(s): Academy, Locally via Outreach

Fire Inspections of Existing Buildings Regulated as One-Family Dwelling

Organizations operate residential facilities for special needs individuals in every community across the State. Typically known as group homes, these occupancies, licensed and regulated by such agencies as OPWDD, are treated as one family dwellings by The New York State Fire Prevention and Building Code. This sometimes creates a problem for the fire code official lacking experience in fire inspection of existing one family dwellings, typically not undertaken without a specific report of dangerous conditions. The presentation highlights essential elements of the Code and referenced standards. By no means is the content all-inclusive; it will serve as a starting point for the identification of hazards to life and property found in all residential occupancies.

CEU Hours: 1 Hour

Topic Hours: 1-0-0

Dept of State Course: 49-6880

Course Location(s): Locally via Outreach

Fire Safety During Construction & Demolition

The presentation covers an issue off the radar screen of most CEO's, yet is a persistent peril threatening lives and property. The hazard of fire can be found equally in both the demolition phase as well as the construction phase, a fact often overlooked by many. This presentation is based on Chapter 33 of the 2015 IFC and referenced standard NFPA 241 (2013).

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6104

Course Location(s): Locally via Outreach

Fire Safety for Entertainment Venues

An introduction to the code official for safety concerns in both interior and exterior entertainment venues. The course reviews well-known and not so well-known historical fires in theaters, including lessons learned. Differences between stages and temporary platforms and the specific construction requirements for both. As well as behind the scene measures that the public never sees put in place for their safety. Including crowd control, low lighting situations, electrical safety, and pyrotechnic or flame effect requirements.

CEU Hours: 3 Hours

Topic Hours: 3-0-0

Dept of State Course: 49-7132

Course Location(s): Locally via Outreach

Fire Safety for Free Thinking Art Students

This one hour presentation is designed to teach art students and faculty how the Fire Code applies to them and why they should be aware of fire and safety related issues. This program was originally created because of on campus fire/safety related issues.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6744

Course Location(s): Locally via Outreach

Fire Sprinkler Basics

This three-hour course is designed to be an introduction to fire sprinkler systems. The course provides participants with an overview of the different types and components of each type of sprinkler systems. The course will help the participant understand the sprinkler system operation and possible interactions with the fire alarm system.

CEU Hours: 3 Hour

Topic Hours: 1-2-0

Dept of State Course: 49-7157

Course Location(s): Locally via Outreach

Fire Sprinkler Plans Review

Presents an overview of the four types of sprinkler system occupancy classifications, water supply and pressures, and determination of compliance of sprinkler designs and installations with National Fire Protection Association (NFPA) 13 and New York State Uniform Fire Prevention and Building Code requirements. It also includes choosing proper system components; determining density and performing remote area calculations, as well as utilizing K-Factor and friction loss formulas; participation in a hydraulic

calculation exercise; using a plan review checklist; and conducting an actual automatic sprinkler plan review.

Required Text: NFPA #13

CEU Hours: 14 Hour

Topic Hours: 06-08-00

Dept of State Course: 49-5142

Course Location(s): Academy, Locally via Outreach

Fire Sprinkler Systems Workshop

An overview of wet, dry, deluge, pre-action, and residential sprinkler systems, as well as, water supply and design of sprinkler systems. It also includes inspecting existing sprinkler systems and fire department operations at sprinklered buildings. The final session of this course consists of hands-on training in the sprinkler laboratory.

CEU Hours: 14 Hour

Topic Hours: 3-11-0

Dept of State Course: 49-5129

Course Location(s): Academy, Locally via Outreach

Fireworks Displays for the Code Official

Code Officials will gain a better understanding of the NYS Fire Code, Penal Law and NFPA requirements pertaining to permitting and inspecting fireworks displays, ensuring site safety for employees as well as event attendees and the requirements for those firing the pyrotechnics.

CEU Hours: 1 Hour

Topic Hours: 1-0-0

Dept of State Course: 49-6792

Course Location(s): Locally via Outreach

Group Home Awareness for the Fire Service

The program is a three hour long course bringing awareness to New York State's fire service about group homes housing individuals with developmental disabilities. The course provides instruction on the history of group home fires in New York State, legislation and regulations affecting group homes, fire protection systems in group homes, firefighting hazards and considerations, and disability awareness training. The course provides two hours of in-service training for Code Enforcement Officials, however, it is designed for firefighters.

CEU Hours: 2 Hours

Topic Hours: 1-1-0

Dept of State Course: 49-6328

Course Location(s):

Locally via Outreach

Hot Work Fire Safety During Construction and Demolition

This 1 hour presentation reviews NYS Fire Code Chapter 14 and 26 requirements; permitting programs including fire safety requirements; alarm impairments as well as fire watch requirements and will also discuss other considerations important to ensuring all operations continue to run smoothly.

CEU Hours: 3 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6796

Course Location(s): Locally via Outreach

Hazardous Materials Awareness

Hazardous materials response is an ever changing and dynamic environment. There have been changes in the methodology of hazardous materials response in the aspects of tactics, technology, and training. This course provides the minimum competence level required of the Code Official likely to witness or discover a hazardous substance release. And provide an understanding of what hazardous materials (substances) are, and the risks associated with them in an incident.

CEU Hours: 3 Hours

Topic Hours: 0-3-0

Dept of State Course: 49-6112

Course Location(s):

Locally via Outreach

Inspection Safety

This two hour presentation reviews important items to watch for relating to changes in existing structures during renovation or under emergency situations. The first component focuses on improving the individual safety awareness of the inspector while in the field in regards to changes in existing structures during and after renovations. Including roof load changes, solar panel placement, electrical safety, or occupancy or trade specific hazards. The second component of the presentation pertains to concerns, issues, and maintaining the well-being of the inspector during a DART/CEDAR deployment.

CEU Hours: 2 Hours

Topic Hours: 2-0-0

Dept of State Course: 49-6440

Course Location(s): Locally via Outreach

NYS Truss Identification Law

This course is designed to review information on trusses in regards to Title 19 (NYCRR), Part 1264 and Part 1265. The review will cover identifying and defining trusses, the importance of identification and placarding to first responders, as well as documentation requirements for the code official.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-6763

Course Location(s): Locally via Outreach

Why Sprinklered Buildings Burn

This one hour presentation discusses why buildings that are fully sprinklered burn. The presentation begins with a brief overview of why sprinklers are so effective and concludes with the main causes for failures in sprinkler systems.

CEU Hours: 1 Hour

Topic Hours: 0-1-0

Dept of State Course: 49-5987

Course Location(s): Locally via Outreach

MAINTAINING CERTIFICATION OF BSI'S AND CEO'S

BSI Certification To be a certified building safety inspector, an individual must successfully complete the required basic training (a minimum of 60 hours of basic training) and maintain the required yearly in-service training (6 hours annually) and any required advanced in-service training. Three hours must be in the category of "Code Enforcement and Administration".

CEO Certification To be a certified code enforcement official, an individual must successfully complete the required basic training (a minimum of 120 hours of basic training) and maintain the required yearly in-service training (24 hours annually) and any required advanced in-service. CEO's must complete 3 hours in each of the following three categories:

Code Enforcement and Administration, Uniform Fire Prevention and Building Code, Energy Conservation Construction Code.

The Office of Fire Prevention and Control has not developed a course meeting ECCC credit.

Code Enforcement & Administration Course and Topic Hours

- Crowd Manager for CEO's (1)
- Customer Service for the Professional Code Official (1)
- Fire Alarm Basics (1)
- Fire Alarm Systems Workshop (5)
- Fire Extinguisher Maintenance (10)
- Fire Extinguishers for Code Officials (1)
- Fire Inspector I (10)
- Fire Inspections of Existing Buildings Regulated as One-Family Dwellings (1)
- Fire Safety for Entertainment Venues (3)
- Fire Sprinkler Basics (1)
- Fire Sprinkler Plans Review (6)
- Fire Sprinkler Systems Workshop (3)
- Fireworks Displays for the Code Official (1)
- Group Home Awareness for the Fire Service (1)
- Inspection Safety (2)

Uniform Fire Prevention & Building Code Course and Topic Hours

- Alternative Fire Extinguishing Systems (6)
- Codes for Commercial Kitchens (1)
- Compartmentalization: Inspecting Fire-Resistance Rated Construction (1)
- Consumer Fireworks in NY (1)
- Crowd Manager for CEO's (1)
- Everything a Firefighter Wants to Tell a Code Official (1)
- Fire Alarm Basics (2)
- Fire Alarm Systems Workshop (9)
- Fire Extinguisher Maintenance (2)
- Fire Inspector I (11)
- Fire Safety During Construction & Demolition (1)
- Fire Safety for Free Thinking Art Students (1)
- Fire Sprinkler Basics (2)
- Fire Sprinkler Plans Review (8)
- Fire Sprinkler Systems Workshop (11)
- Group Home Awareness for the Fire Service (1)
- Hazardous Materials Awareness (3)
- Hot Work Fire Safety During Construction and Demolition (1)
- NYS Truss Identification Law (1)
- Why Sprinklered Buildings Burn (1)

To host any of these courses, please contact
OFPC.Codes.Inservice@dhses.ny.gov

For a list of up-to-date courses, please visit
www.dhses.ny.gov/ofpc/training/documents/codes.pdf