

UFC Technical (New Section)

Active and Passive Fire Protection in the Built Environment

Instructor: Ronald E. Kanterman, Executive Inspector, FDNY-Bureau of Fire Prevention

Discussion includes an in-depth look at the design, installation, maintenance, code requirements and application of: sprinklers, standpipes, CO2, halon, dry chemical, wet chemical, clean agent, smoke purge, foam and specialty systems. New technology in fire protection and suppression systems is also introduced.

Friday, April 8, 2022

Saturday, April 9, 2022

Somerset County ESTA

Monmouth County Fire Academy

Bomb Threat Awareness and Response

Instructor: Jim Varick, Detective, NJSP Bomb Unit

This course is intended for all members of the First Responder community: police, fire and EMS. The program would be of benefit to all personnel from the boots on the ground to executive staff. Through this awareness level training, First Responders will have the ability to safely respond to incidents involving improvised explosive devices and explosions. Personnel responsible for policy planning and implementation would benefit from this training by gaining knowledge that can be applied in both the planning and response phase in their respective communities.

Monday, March 14, 2022

Thursday, March 24, 2022

Burlington County ESTC

Union County Fire Academy

Carbon Monoxide Alarm Regulations

Instructor: Patrick W. Bigoss, Lumberton Twp. Fire Official (Ret.), Camden County College, Faculty Coordinator (Ret.)

This program provides a review of the development and expansion of Carbon Monoxide Alarm regulations from 1999 through September 2017. The program will review appropriate elements of Chapter 23 of the Uniform Construction Code as well as Chapter 70 of the Uniform Fire Code. The Fire Official will understand how the two codes work together to provide protection for building occupants.

Saturday, April 2, 2022

Zoom – Half day class

Friday, April 22, 2022

Union County Fire Academy – Half

day 12:30 p.m. start

Code Update

Instructor: Patrick W. Bigoss, Lumberton Twp. Fire Official (Ret.), Camden County College, Faculty Coordinator (Ret.)

This course is required for working Fire Officials and Fire Inspectors as part of the three- year renewal cycle for fire inspectors and fire officials. This seminar was updated in January 2022. The course will cover the current planning for adoption of the IFC NJ 2018 edition. It will also touch on topics including Covid 19 status and DFS position, NJAC language updates planned to correct errors. It will also review select permits including fireworks and food trucks. As well as an overview of select chapters of the New Jersey Uniform Fire Code Chapter 5:70-1, 2 and 4 and the IFC 2015 NJ Edition. Zoom option is half day.

Thursday, April 21, 2022

Bergen County Fire Academy

Saturday, April 23, 2022

Passaic County Fire Academy

Monday, April 25, 2022

Burlington County ESTC

Wednesday, April 27, 2022

Atlantic County Fire Academy

Friday, April 29, 2022

Camden County Fire Academy

Wednesday March 30, 2022

Zoom – Part 1

Thursday, March 31, 2022

Zoom – Part 2

Wednesday, April 6, 2022

Zoom – Part 1

Friday, April 8, 2022

Zoom – Part 2

Wednesday, May 18, 2022

Zoom – Part 1

Thursday, May 19, 2022

Zoom – Part 2

Compartment Fire Behavior: Bringing The Science To The Streets

New

Instructors: John Dixon, Battalion Chief, FO, GIFireE, Teaneck Fire Department and Mike Daley, Lieutenant CTO, FO, MIFireE, Monroe Fire Department

The operations involving structural firefighting require a sound knowledge of both physical skills AND a scientific understanding of combustion. Moreover, with the adaptation of NFPA 1700, Structural Firefighting Standard, it is paramount that today's responders embrace the proven science behind combustion from research from the UL and NIST, and understand the application on scene. This dynamic class provides a discussion of the science behind combustion and how to use it during response. Topics to be covered include Today's Combustion Theory; Compartment Fire Behavior Considerations; Signs for Dynamic Events, including Flashover, Backdraft and Smoke Explosions; Three types of Flow Paths and how to apply tactics based upon them; and the application of combustion theory and fire dynamics relevant to new NFPA 1700 requirements. Students will also be shown live burn demonstrations of Flow Paths, Dynamic Fire Events, Compartment Considerations, and Application of Suppression Methodology. This class covers CEU requirements for Fire Officers, Fire Instructor, and Fire Investigator certifications in relation to ALL current NFPA standards.

Saturday, March 19, 2022

Monday, April 11, 2022

Saturday, May 21, 2022

Burlington County ESTC

Atlantic County Fire Academy

Passaic County Fire Academy

Concrete Parking Decks and Garages

Instructor: Brian Bennett, Iselin Fire Department

Concrete parking decks/garages are found in almost every jurisdiction as land becomes developed and the only option for parking cars is in vertical structures. This class will help you prepare for incidents in these structures by introducing you to the characteristics of concrete and concrete construction, the types of concrete construction, and the hazards

associated with each. The components and techniques used to construct above ground and below ground concrete parking decks/garages and how they are assembled into the completed structure will be covered. The tactics used to fight horizontal and vertical fires in these structures will be reviewed, including the safety issues and case studies that involved fires and collapse in these structures.

Wednesday, April 20, 2022
Tuesday, May 17, 2022

Somerset County ESTA
Camden County Fire Academy

Fight the Fire, Not the Building

Instructor: Ronald E. Kanterman, Executive Inspector, FDNY-Bureau of Fire Prevention

Work smarter not harder. Commercial buildings present many challenges during a fire fight but knowing what they have to offer will make your job easier and safer. This class reviews and discusses the built-in active and passive fire protection systems that make up the building's fire and life safety system and gives the participants an understanding of the basic working of said systems. Upon completion, participants will be able to return to their departments and look at commercial buildings and other target hazards in their first due response district and **make changes in strategy and tactics**, pre-fire plans and battle plans. *Firefighter safety is emphasized throughout the workshop.*

Saturday, June 11, 2022

Zoom – Full day

Fire Cause Determination; Terrorism Re-born New

Instructor: Ronald E. Kanterman, Executive Inspector, FDNY-Bureau of Fire Prevention

This workshop is intended to familiarize the attendees with the signs of arson through basic fire behavior, the initial alarm, responding, the fire fight (ventilation, line placement, forcible entry, etc.), color of the smoke and flame, reaction of water on the fire, building construction, reading the crowd, role in the investigation, HTA fires, Clan Labs and much more.

Photos/slides and case histories enhance this class. Arson is one of the current tools of the terrorist, domestic and foreign. Knowing the signs of arson and causes of fire, leads to safer fire ground operations.

Saturday, May 7, 2022

Zoom – Full day

Friday, May 20, 2022

Zoom – Full day

Fire Departments Responsibilities at Incendiary Fires

Instructors: Bob Disbrow, IAAI-CFI, Fire Captain/Investigator and Robert Seeburger, Battalion Chief Special Operations Command

The Fire Officer's and Firefighter's responsibilities at the fire scene is critical. The actions taken by the officers and the members of the fire suppression companies can either help or hinder the fire investigation. Topics include: Fire Officer roles and responsibilities, evidence protection, fire scene overhaul, fire pattern identification, fire causes, incendiary device identification, fatal fires, report narrative and how not to compromise a fire scene.

Wednesday, May 11, 2022

Middlesex County Fire Academy

Friday, June 3, 2022

Zoom – Full day class

Fire Escape Inspections

Instructor: John Thomas, Fire Inspector Services LLC, Fire Investigator, Fire Service Instructor, and Fire Official (Retired)

This course will provide information on how to conduct a fire escape inspection as well as information on fire escape companies as compared to welding companies. The course is designed to assist the Fire Official and Fire Inspector observing that fire escapes have been inspected properly and that repairs have been completed by a fire escape company that will certify the fire escape for 5 years.

Monday, March 7, 2022

Atlantic County Fire Academy

Wednesday, April 13, 2022

Zoom – Full day class

Fire Extinguisher Training

Instructor: David Pelton, National Association of Fire Equipment Distributors

The fire extinguisher training program is designed to be used as a training program for authorities having jurisdiction (AHJs) and other interested parties. It is designed to assist the AHJ in recognizing the proper selection, placement, classification, and maintenance of portable fire extinguishers. The content of the class is based on the requirements of NFPA 10, *Standard for Portable Fire Extinguishers*, and includes descriptions and examples of typical industry practices regarding the placement, installation, inspection, maintenance and service of fire extinguishers.

Wednesday, March 23, 2022
Tuesday, April 19, 2022

Ocean County Fire Academy
Zoom – Full day

Fire Incident Report Writing

Instructor: Vincent Campagna, NJ Division of Fire Safety

This course will identify the importance of Fire Incident Report Writing. How to properly document and articulate your fire incident including how to write a narrative. Report writing skills to include who, what, where, when, why, how and C.A.R.T (Complete, Accurate Reliable and Timeliness).

Monday, March 21, 2022
Tuesday, March 22, 2022
Monday, April 25, 2022
Tuesday, April 26, 2022

Morris County Fire Academy
Union County Fire Academy
Zoom – Full day class
Monmouth County Fire Academy

Fire Investigation; Considering the Role of Natural Gas and/or Electricity

Instructor: Adrian J. Cales, Corporate Security Operations Manager, Public Service Enterprise Group, Detective Sergeant (Ret.), Arson Investigations Unit, Bergen County Prosecutor's Office

This program is designed to provide the student with a thorough, comprehensive and complete understanding of the properties of propane, natural gas and electricity, and the steps necessary for the examination of a fire scene where there is the potential that propane, natural gas or electricity were involved in either the origin or the cause of the fire, and, how any and all components associated with either propane, natural gas or electricity services must be subject to a detailed examination at every scene to either eliminate them, or attribute them, as to having any role or involvement in the origin or the cause of the fire.

Wednesday, April 20, 2022	Camden County Fire Academy
Wednesday, May 18, 2022	Morris County Fire Academy
Wednesday, June 1, 2022	Zoom – Full day class

Fundamentals of Automatic Sprinkler and Standpipe Systems

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

This course will present timely and up to date material covering fundamental design and water supply requirements for automatic sprinkler and standpipe systems including when and why building fire pumps are required. The participants will be able to identify the various component parts of automatic sprinkler systems, standpipe systems and fire pumps. The importance of ensuring these fire protection systems are maintained in full service, while identifying common system impairments and violations which lead to these fire protection systems being out of service, will be reviewed throughout the course.

Please note: Part 1 is a prerequisite to part 2. Zoom classes are half day.

Friday, April 1, 2022	Ocean County Fire Academy
Thursday, April 7, 2022	Middlesex County Fire Academy
Monday, May 9, 2022	Camden County Fire Academy
Tuesday, June 7, 2022	Zoom Part 1 – Half day class

Fundamentals of Use Group Classifications and Occupancy Classifications

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

This course will present the requirements for Use Group Classifications in the NJ Uniform Fire Code, the NJ Uniform Construction Code, and the relationship between these two sets of codes. Additionally, the course will provide detailed information of the requirements of NFPA 13-2014 Standard for the Installation of Automatic Sprinkler Systems, Chapter 5 Classifications of Occupancies and Commodities, and the water supply requirements for various storage based occupancies detailed in Chapters 12 through 20. Participants will be able to interpret the information contained on old style and new style (NJ UCC) hydraulic data placards to be able to identify potential deficiencies in the building automatic sprinkler system.

Thursday, April 14, 2022
Friday, May 6, 2022

Monmouth County Fire Academy
Cape May County Fire Academy

Handling Fire Alarm and Sprinkler System Activations New

Instructor: Mike Wolfschmidt, Firefighter/EMT, Westampton Township Emergency Services

The fire service commonly responds to incidents involving a variety of automatic fire detection and suppression systems; however, many departments rarely train on the topic. This leaves many firefighters and officers little opportunity to understand and make educated decisions on how to troubleshoot and interact with complex, modern systems. This program will discuss how to investigate/troubleshoot why a fire detection and suppression system activated when there is no apparent fire or emergency, how to identify and operate water control valves for fire sprinkler systems, how to identify and utilize fire department sprinkler/standpipe connections, the operation of kitchen fire suppression systems, NFPA 13R buildings, examples of imminent hazard conditions involving fire detection and suppression systems, how to establish a fire

watch and the associated record keeping, and when to notify the Fire Official of a Local Enforcing Agency that fire protection system may not operate as intended, thus creating a dangerous condition for the building occupants and responding firefighters.

Saturday, March 19, 2022 – Half day 12:30 p.m. start	Gloucester County Fire Academy
Monday, March 28, 2022 Half day 12:30 p.m. start	Middlesex County Fire Academy –
Monday, May 9, 2022	Zoom – Half day class

Hazardous Materials-Bulk Storage to Big Box Stores

Instructor: Ronald E. Kanterman, Executive Inspector, FDNY-Bureau of Fire Prevention

This course will familiarize students with all aspects of code issues and code enforcement pertaining to the storage, sale and use of hazardous materials from the “mom and pop” hardware store to bulk chemical facilities. Covered are local, state and federal laws, identification systems, containers, rail cars, tank trucks, stationary vessels. Case histories are dissected and studied. We take a detailed look at selected chapters of the NJ-IFC along with all aspects of Chapter-50 covering chapters for individual chemicals or processes and occupancies. We take the students through the entire inspection process along with peripheral information, i.e., fire protection and other peripheral code requirements. In addition, the instructor lends his 45 years of fire service and code experience to the process.

Monday, May 16, 2022	Zoom – Full day class
----------------------	-----------------------

HAZMAT for Fire Inspectors: Alternative Fuels

New

Instructor: Brian Bennett, Iselin Fire Department

Alternative fuels are slowly replacing fossil fuels. These new fuels are found in all types of occupancies, including residential, commercial, retail, and industrial facilities. This class will help Fire Inspectors become familiar

with the types of fuels being used, where they are likely to be found, and a review of their containers and hazards. Having some basic knowledge about these common fuels will allow the Inspector to conduct more effective inspections. This class will review alternative fuels such as liquefied hydrogen gas, compressed hydrogen gas, propane/LPG, compressed natural gas, liquefied natural gas, lithium batteries, and solar power.

Saturday, March 26, 2022
– Half day class – 12:30 p.m. start

Gloucester County Fire Academy

Thursday, May 19, 2022
Half day class – 12:30 p.m. start

Bergen County Fire Academy –

HAZMAT for Fire Inspectors: Common Chemicals New

Instructor: Brian Bennett, Iselin Fire Department

Hazardous materials are found in all types of occupancies, including residential, commercial, retail, and industrial facilities. Fire Inspectors are often confronted with these common chemicals when they inspect facilities where hazardous materials are used or stored. This class will cover some of the common chemicals found in use or storage in various occupancies covered by the fire code in Chapters 21-27, 29, 35, and 50-67. Having some basic knowledge about the use, storage, and hazards of these common chemicals will allow the Inspector to conduct more effective inspections. This class will review the shipping/storage containers, hazards, uses, and locations where such commonly encountered chemicals as carbon dioxide, nitrogen, liquefied petroleum gas, acetylene, ethanol, chlorine, hydrogen, ammonia, and Bakken crude may be found. The use of the Emergency Response Guidebook will be reviewed to identify potential hazards.

Friday, March 25, 2022
12:30 p.m. start

Ocean County Fire Academy – Half day

Monday, May 16, 2022

Zoom – Half day class 12:30 p.m. start

HAZMAT for Fire Inspectors: Container Shapes New

Instructor: Brian Bennett, Iselin Fire Department

Fire Inspectors are confronted with various containers when they inspect facilities where hazardous materials are used or stored. Knowing how to recognize the container shape will allow the Inspector to conduct the inspection while being knowledgeable about the potential container contents and the hazards associated with the container and its contents. This class will review containers found in rail and highway transportation, shipping, and fixed facilities as well as alternative fuels and their refilling/recharging facilities. The use of the Emergency Response Guidebook to identify containers and their possible contents and hazards will also be covered. The containers covered in this class are used store hazardous materials covered in Chapters 21-27, 29, 35, and 50-67 as well as Section 202 of the fire code.

Friday, March 25, 2022
Half day 8:30 a.m. start
Monday, May 16, 2022
start

Ocean County Fire Academy –
Zoom – Half day class 8:30 a.m.

HAZMAT for the Fire Inspector: Placards, Labels, Markings

Instructor: Brian Bennett, Iselin Fire Department

Fire Inspectors are confronted with various placard, label, and marking systems when they inspect facilities where hazardous materials are used or stored. Knowing how to interpret the information presented in these systems will allow the Inspector to conduct the inspection while being knowledgeable about the hazards present on site. This class will review the information provided in placards, labels, and marking systems such as NFPA 704, HMIS, and the OSHA Pictograms. The use of the Emergency Response Guidebook and information provided in NJ Right to Know submittals will also be reviewed. The information presented in this class covers the systems used to identify hazardous materials found in Chapters 21-27, 29, 35, and 50-67 as well as Section 202 of the fire code.

Tuesday, March 22, 2022
day class 12:30 p.m. start

Union County Fire Academy – Half

Friday, April 22, 2022
start

Zoom – Half day class 12:30 p.m.

Saturday, May 7, 2022
Half day class 12:30 p.m. start

Bergen County Fire Academy –

HAZMAT for the Fire Inspector: Terms, SDS, HSFS

Instructor: Brian Bennett, Iselin Fire Department

Fire Inspectors must have a working knowledge of the terms used in the fire codes in order to fully understand the risks posed by hazardous materials they may encounter. This is not limited to understanding the definition but also understanding the practical application of these terms. Being conversant with these terms will also be helpful in interpreting the data presented in Safety Data Sheets (SDS) and NJ Hazardous Fact Sheets (HFS). The information provided in NJ Right to Know submittals will also be reviewed. The terms covered in this class are used in the fire code in Chapters 21-27, 29, 35, and 50-67 as well as Section 202. Applying the information learned in this class along with real life examples will lead to more effective inspections of hazardous materials facilities.

Tuesday, March 22, 2022
day class 8:30 a.m. start

Union County Fire Academy – Half

Friday, April 22, 2022
start

Zoom – Half day class 8:30 a.m.

Saturday, May 7, 2022
Half day class 8:30 a.m. start

Bergen County Fire Academy –

Healthcare Facilities Pre-Incident Planning/Fire Fighter Hazards New

Instructor: Andrew Fosina, Jr BS, CFPS, Fire Official, Hopewell Valley Bureau of Fire Safety

The course discusses the need to prepare preplanning documents. Using NFPA-1620 as a guide, we will discuss the required parts of a preplan, who

should have access, and other requirements of the preplanning process for healthcare facilities. Common Hazards to Firefighters in healthcare facilities and the potential health and life safety issues associated with them.

Please note: Zoom versions are half day. It's recommended that part 1 be taken before part 2.

Monday, March 7, 2022	Burlington County ESTC
Tuesday, April 12, 2022	Passaic County Fire Academy
Wednesday, May 4, 2022	Zoom – Part 1 Half day
Wednesday, May 11, 2022	Zoom – Part 2 Half day

Healthcare Facilities UFC Inspections New

Instructor: Andrew Fosina, Jr BS, CFPS, Fire Official, Hopewell Valley Bureau of Fire Safety

The course will review the Uniform Fire Code and NJ IFC 2015 inspection requirements. Explore the role of the AHJ in this heavily regulated industry and other regulatory agencies.

Please note: Zoom versions are half day. It's recommended that part 1 be taken before part 2.

Monday, March 21, 2022	Union County Fire Academy
Tuesday, April 26, 2022	Cape May County Fire Academy
Tuesday, May 17, 2022	Zoom – Part 1 Half day
Thursday, May 26, 2022	Zoom – Part 2 Half day

How The Grateful Dead's Business Practices Improve Organizational Performance

Instructor: Anthony Correia, Fire Chief/Director

Successful fire service operational performance is based on sound organizational practices and principles. While the fire service has developed many of its own practices, we have also adapted successful techniques from other business models and cultures; some being be very interesting and unique, but still useful. This interactive discussion will detail how the Grateful Dead band and their business practices can improve fire

department performance. Based on the book, “Everything I Know about Business I Learned from the Grateful Dead” by Barry Barnes Ph.D. Despite a perception that the band was a bunch of drug-fueled, psychedelic hippies, they were actually a very successful business organization. This program will provide an insight into how another business model can be used effectively in the fire service.

Monday, May 9, 2022
Monday, June 13, 2022

Middlesex County Fire Academy
Zoom – Full day class

Inspection and Testing of Water Based Fire Protection Systems: Part 1

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

This class was previously presented as Water-Based Fire Protection System, NFPA 25-14. The class has been expanded and separated into two separate parts to meet the expanded requirements of NFPA 25-14 and to address both technical and administrative requirements of the NJ UFC. Part 1 of this class will focus on the technical requirements of Chapter 9 of the NJ IFC, how to properly cite the requirements of NFPA 25-14 and other referenced NFPA standards. Administrative requirements including the requirements for imminent hazards and abatement periods as they apply to water based fire protection systems will be presented. The requirements of Chapters 3 and 15 of NFPA 25-14 will be reviewed as well as information for determining when and how fire watches may be conducted and how to deal with system impairments. Information relating to how to determine Commodity Classifications from NFPA 13 will also be presented. Participants may take part 1 and/or part 2 and in any order and are not required to complete both parts for CEU credit.

Friday, March 25, 2022
Monday, April 18, 2022

Bergen County Fire Academy
Middlesex County Fire Academy

Inspection and Testing of Water Based Fire Protection Systems: Part 2

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

This class was previously presented as Water-Based Fire Protection System, NFPA 25-14. The class has been expanded and separated into two separate parts to meet the expanded requirements of NFPA 25-14 and to address the technical requirements of the NJ UFC. Part 2 of the class will focus on the inspection, test and maintenance requirements of various chapters of NFPA 25-14 for water-based fire protection systems. The requirements and spacing rules from NFPA 13 for standard spray and ESFR sprinkler head spacing rules will be presented in this class. This information will allow code officials to identify when alterations have been performed to the building or the sprinkler system which may have violated the spacing rules of NFPA 13 and will allow fire inspector to identify obstructions to the sprinkler heads. Participants may take part 1 and/or part 2 and in any order and are not required to complete both parts for CEU credit.

Monday, March 28, 2022
Friday, May 13, 2022

Bergen County Fire Academy
Middlesex County Fire Academy

Legacy Wood Frame Construction Principles

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

Wood frame constructed buildings pose significant challenges for the fire service. This program will enhance the participant's knowledge and understanding of the construction methods, materials, the fire spread and collapse potential of legacy wood frame buildings which include buildings of Post & Beam Construction, Balloon Frame and Platform Frame buildings. Fire behavior and the relationship between building construction and fire behavior will be presented throughout the session. Case studies of fire incidents and buildings under construction or renovation will be used throughout the program. The program will also review how to develop and utilize differing forms of case studies to meet various teaching objectives relating to legacy wood frame buildings.

Thursday, May 26, 2022

Zoom – Half day

Mobile Food Vendor Inspection and Safety Course

Instructor: John Thomas, Fire Inspector Services, LLC

This course will instruct Fire Inspectors on the dangers of a Mobile Food Vendor and how to conduct the fire safety inspection. The Uniform Fire Code, NFPA Standards and how they relate to the inspection will be covered.

Tuesday, March 29, 2022
Saturday, May 21, 2022

Burlington County ESTC
Zoom – Full day class

Origin and Cause; A Systematic and Comprehensive Investigation

Instructor: Adrian J. Cales, Corporate Security Operations Manager, Public Service Enterprise Group, Detective Sergeant (Ret.), Arson Investigations Unit, Bergen County Prosecutor's Office

This program is designed to provide the student with a thorough, comprehensive and complete format for the examination of a fire scene, and the documentation and determination of the origin of a fire, as well as the elimination and documentation of any and all fire causes, leading to the location where the fire originated, and to the event which facilitated the ignition of the fire.

Wednesday, March 16, 2022
Wednesday, May 11, 2022
Wednesday, May 25, 2022

Zoom - Full day
Zoom - Full day
Morris County Fire Academy

Physiological and Mental Stressors of Firefighting

Instructor: Anthony Correia, Fire Chief/Director

The physiological and mental stressors of fighting fires are of significant concern to all involved. Exposure to fire and its byproducts is even more hazardous than ever before. Understanding the effects of being exposed to fire, smoke and carcinogens will help those involved to be better prepared to reduce these hazards. This program details these stressors, as well as, the relationship of cardiovascular disease, dehydration, cancer, and chemical exposure from smoke and firefighting activities. Additionally, the mental stressors that impact physiologic response, are creating additional stressors on our bodies and brains. Physical and Mental fitness are

intertwined. This course discusses why being fit for duty is necessary, how to be fit for duty, and how the holistic mental and physiological connection relates to reducing the impact of these diseases and improving performance when fighting fires.

Wednesday, April 27, 2022
Thursday, May 12, 2022
Monday, May 23, 2022

Passaic County Fire Academy
Union County Fire Academy
Zoom - Full day

Pre-Engineered Commercial Kitchen Fire Extinguishing System Training

Instructor: David Pelton, National Association of Fire Equipment Distributors

The pre-engineered fire extinguishing system training program is designed to be used as a training program for authorities having jurisdiction (AHJs) and other interested parties. It is designed to assist the AHJ in recognizing the requirements of NFPA 17A, *Wet Chemical Fire Extinguishing Systems* for the protection of commercial cooking operations and the requirements of NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*. The content of the class is based on the requirements of these standards and will include descriptions and examples of typical industry practices regarding installation, inspection, maintenance and service of pre-engineered systems.

Thursday, March 24, 2022
Tuesday, April 26, 2022

Somerset County ESTA
Zoom - Full day

Principles of Modern Building Construction

Instructor: Michael Scardino, Fire Chief/Fire Official (Ret.) Winslow Twp. Fire Department

Principles of Modern Construction is a refresher for the veteran firefighter/inspector, and a primer for the newest member. It is designed to create an appetite for future construction study, emphasizing both the vital importance and value of both aggressive preplanning and fire inspection. This course is continually updated to include and highlight cutting edge methods, materials, technologies, and trends. Not just your average five-

hour CEU course, it truly offers something for every attendee to use, and apply.

Saturday, March 26, 2022

Friday, April 8, 2022

Monday, April 18, 2022

Saturday, June 4, 2022

Monmouth County Fire Academy

Cape May County Fire Academy

Burlington County ESTC

Zoom – Full day class

Safety and Health for the Fire Investigator **NEW**

Instructor: Brian Bennett, Iselin Fire Department

Fire Investigators face many of the same safety and health hazards that firefighters face when suppressing a fire. Many of the safety and health precautions taken for firefighters are not carried over to protect the investigators. This class will identify safety and health issues that investigators may face while performing their job at structure, vehicle, maritime, and hazardous materials incidents, and precautions that can be taken to ensure are kept safe and healthy.

Saturday, March 26, 2022

– Half day class 8:30 a.m. start

Thursday, May 19, 2022

Half day class 8:30 a.m. start

Gloucester County Fire Academy

Bergen County Fire Academy –

Solar Power; Strategy & Tactics for First Responders

Instructor: Joseph Vallo, Battalion Chief, Chief of Training, Jersey City Fire Department

This course is a Strategy and Tactics Fire Fighting and Rescue Operations program designed for understanding basic Solar Power engineering and to identify solar powered systems. The program is a comprehensive Strategy and Tactics seminar built by a Fire Fighter for Fire Fighters and all First Responders. The program is updated quarterly, and information is current to the Solar Industry and evolving Emergency Services incidents. Case Studies are used to engage students regarding actual solar incidents faced by First Responders. Case Studies are local incidents and those reviewed by the NFPA, Underwriters Laboratories and the National Fire Academy.

Tuesday, March 29, 2022
Friday, April 8, 2022
Saturday, June 11, 2022

Passaic County Fire Academy
Monmouth County Fire Academy
Zoom – Half day

Street Smart Fire Inspections

Instructors: Bob Disbrow, IAAI-CFI, Fire Captain/Investigator and Robert Seeburger, Battalion Chief Special Operations Command

Street Smart Fire Inspections is a class designed for the working Fire Inspector and Fire Service personnel conducting In-Service fire inspections. This class will identify all aspects of a quality fire inspection. Students will review case studies and difficult violations. This class is a must for all fire service personnel.

Friday, April 29, 2022
Tuesday, May 10, 2022

Passaic County Fire Academy
Zoom – Full day

Subchapter 4: “Retro-fit Requirement” Where are we now?

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

The course will present select requirements of New Jersey Uniform Fire Code, Subchapter 4 - Fire Safety Code. Requirements that have been in effect for a number of years, as well as, recently adopted regulations including the code requirements for Carbon Monoxide alarms and published NJDFS bulletins regarding windowless basements and stories will be presented in detail. The course will review how to determine if violations of Sub-chapter 4 exist and how to achieve compliance with the applicable regulations. The Fire Code Variance process and the relationship between the NJ Uniform Fire Code and the NJ Uniform Construction Code also will be presented.

Saturday, April 2, 2022
Wednesday, June 1, 2022
Friday, June 10, 2022

Burlington County ESTC
Zoom – Half day
Union County Fire Academy

The Training Division

Instructor: Brian Bennett, Iselin Fire Department

Are you the new Training Officer or an existing Instructor for your department? Are you charged with not only presenting training, but running and managing the training division? This class will provide practical information on what needs to be done to ensure your training program is safe, effective, efficient, and compliant with laws and standards. Whether your department already has a formal training division, you will be updating the existing training division, or you will be developing a new organization, this class will cover important information dealing with the structure, management, and operation of the training division; selection and development of instructors; conducting a training gap analysis to help develop an annual training plan; conducting training to meet regulatory, NFPA, and ISO standards; professional development; and developing effective instructional design and delivery to close the identified gaps.

Saturday, April 9, 2022
Wednesday, June 8, 2022

Monmouth County Fire Academy
Bergen County Fire Academy

Tips and Tools for Effective Inspections

Instructor: Patrick W. Bigoss, Lumberton Twp. Fire Official (Ret.), Camden County College, Faculty Coordinator (Ret.)

This program is intended to expand knowledge for newly appointed or recently re-appointed inspectors. It will also serve as a refresher for inspectors who perform a very limited number of inspections per year. Topics covered include duties and responsibility, interagency cooperation, inspection preplanning, performing the inspection, documenting the inspection and completing the inspection process. The program will also include a review of legal requirements, dos and don'ts and the consequences and remedies for inspectors who deviate from the stated requirements. There will be examples of violations and the proper reference under the IFC 2006 as well as IFC 2015. Seasoned inspectors taking the program for CEU requirements may find the program to be a re-

statement of what they already know. This class will satisfy the Code Update requirement for appointed inspectors and officials

Monday, April 4, 2022

Zoom – Half day class

Friday, April 22, 2022

Union County Fire Academy – Half day

class 8:30 a.m. start

Vacant Buildings; Best Practices for Handling Vacant Building Inspections New

Instructors: John Thomas, Fire Inspector Services LLC and Jason M. Santarcangelo, Esq., Santarcangelo Law, LLC

The course is to educate Fire Officials, Fire Inspectors and Code Official on the best practices dealing with emerging vacant building issues.

Tuesday, April 5, 2022

Cape May County Fire Academy

When Should You Prepare for Court?

Instructor: John Thomas, Fire Inspector Services, LLC

The course was designed to help the Fire Chief down to the Firefighter in how to prepare to testify in a court of law. The course will explain report writing, how to prepare for a court case, definitions of court decorum and best practices on how to testify in court. This course is a full hands-on course. The participants will fill out a NFIRs report and testify to the contents of the report.

Wednesday, March 16, 2022

Union County Fire Academy

Wednesday, May 11, 2022

Cape May County Fire Academy

Wood Frame & Ordinary Construction Principles

Instructor: Paul T. Dansbach, Fire Marshal, Borough of Rutherford

Wood frame and ordinary constructed buildings pose significant challenges and risks for the fire service. This program will enhance the knowledge and understanding of the construction methods, materials, the fire spread and

collapse potential of wood frame and ordinary constructed buildings. Case studies of fire incidents, case studies of buildings under construction and renovation will be presented throughout the program to illustrate the program objectives. The programs will also review how to develop and utilize differing forms of case studies including the use of NIOSH LODD reports to meet various teaching objectives relating to wood frame and ordinary construction.

Thursday, March 31, 2022
Saturday, May 7, 2022

Morris County Fire Academy
Camden County Fire Academy