FIRE TRAINING PROGRAMS
VISION

The New York State Office of Fire Prevention and Control strives to be a national recognized leader in fire services, delivering the highest quality, state of the art, and most comprehensive training, response, and technical assistance programs and services to emergency responders, local entities, and the citizens of New York State. The Office’s programs enable: the state’s fire service to become the best trained, best prepared and most effective professional emergency response force in the nation; New York State’s colleges, universities, state properties and its citizens, to be the safest in regard to fire prevention and awareness; and the state to maintain arson related fires at the lowest per capita within the United States.

MISSION

The Office of Fire Prevention and Control will deliver a wide breadth of services to firefighters, emergency responders, state and local government agencies, public and private colleges, and the citizens of New York. The Office advances public safety through firefighter training, education, fire prevention, investigative, special operations and technical rescue programs. The timely delivery of these essential services enables the Office to make significant contributions to the safety of all of New York State.
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ABOUT OUR TRAINING PROGRAMS

TRAINING LOCATIONS

The New York State fire service residential training courses are offered at the NYS Academy of Fire Science, in Montour Falls. Certain technical rescue courses are also available on a regional basis. Outreach courses are offered in various satellite locations throughout the State. The location where a course is given, along with its respective course number, is listed at the end of each course description.

COURSE SCHEDULE INFORMATION

Please note that the courses listed within this book are not necessarily offered every year. For a complete and current schedule of courses, go to: www.dhses.ny.gov/ofpc/training

CERTIFICATION INFORMATION

For information on both state and national certifications, go to: www.dhses.ny.gov/ofpc/training/fire-academy/certifications.cfm

FIRE SERVICE DEGREE PROGRAMS

Several colleges and universities in New York State offer Fire Service-related degree programs. In some cases, degree credit may be available for OFPC courses. Contact these institutions for further information. See listing at: www.dhses.ny.gov/ofpc/training/fire-academy/advanced-education.cfm

QUESTIONS, CONTACT:

NYS Division of Homeland Security and Emergency Services
Office of Fire Prevention & Control
State Office Campus
1220 Washington Avenue
Building 7A, 2nd Floor
Albany, NY 12226
Phone: 518-474-6746
Fax: 518-474-3240
e-mail: fire@dhses.ny.gov
www.dhses.ny.gov/ofpc

Office of Fire Prevention & Control
NYS Academy of Fire Science
600 College Avenue
Montour Falls, NY 14865-9634
Phone: 607-535-7136
Fax: 607-535-4841

County Fire Coordinators
Contact list on website:
www.dhses.ny.gov/ofpc/county-fire-coordinators

Essential forms and information are also available online www.dhses.ny.gov/ofpc
Emergency Medical Technician - Basic
This unique seventeen day program includes instruction in all skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized emergency medical service (EMS) operations. A clinical experience requirement, to be completed outside of class, is part of the course.

Designed for: All emergency response personnel
Course Length: Approx. 165 hours plus minimum 10 hours clinical experience

Prerequisites: Candidates must be at least 18 years of age by the end of the month in which they are scheduled to take the written certification examination. Prior to starting clinical time, students must also provide proof of a physical in the last year; two MMR’s or a Rubella titer within the last year; a Mantoux Test for Tuberculosis (PPD) within the last six months; a DPT within the last five years; Hepatitis B vaccination or a copy of a waiver of the vaccine, and proof of liability insurance including Medical Malpractice and Errors & Omissions (minimum $1,000,000 per occurrence/$3,000,000 aggregate). This is most often covered by your sponsoring agency.

Materials Fee: $10
Tuition fee: $775 (Waived for members of NYS DOH-recognized EMS Provider Agencies)
Course number : 01-03-0005
Course Location(s): Academy

Emergency Medical Technician Core Content Refresher
This convenient three-weekend course will help the Emergency Medical Technician (EMT) meet the “Core” refresher training requirements of the Continuing Education Recertification Program (Pilot Program). Topics covered will include a review of the 26 required hours of refresher content. This course will not meet the additional training hour requirement for an EMT to complete their Continuing Education Recertification Program.

Designed for: Current NYS Emergency Medical Technicians
Course Length: 100 hours
Prerequisite: Current or previously certified NYS Emergency Medical Technician

Materials Fee: $10
Tuition fee: $425 (Waived for members of NYS DOH-recognized EMS Provider Agencies)
Course number : 01-03-0006
Course Location(s): Academy

Emergency Medical Technician Refresher
This convenient three-weekend course will help the Emergency Medical Technician (EMT) refresh previously learned material while gaining new knowledge, skills and abilities necessary to be a competent, productive and valuable member of the emergency medical services team. Through both a written and practical skills challenge approach, this course will help evaluate the current skill and knowledge of the refreshing EMT student and provide an opportunity for customizing the course to meet the needs of the individual student. It will also provide a mechanism to acknowledge and provide credit for the experience of the EMT student. All candidates will be required to submit proof of completion of 6 short, on-line courses assigned between the first and second weekends of the course.

Designed for: Current or previously certified NYS Emergency Medical Technicians
Course Length: 100 hours
Prerequisite: Current or previous certification as a NYS Emergency Medical Technician

Materials Fee: $10
Tuition fee: $425 (Waived for members of NYS DOH-recognized EMS Provider Agencies)
Course number : 01-03-0006
Course Location(s): Academy

NYSDOH Certified Instructor/Coordinator (CIC)
The CIC course prepares a candidate to become certified to teach didactic sessions and coordinate the administration of a NYS EMT certification course. This course is held in cooperation with EMSTAR.

Designed for: Current NYS Certified Lab Instructor's
Course length: 16 hours

Prerequisites:
- Current certification as a NYS EMT or Advanced EMT
- Current certification as a NYS CLI
- A NYS EMT/AEMT written certification examination within the past three years and scored at least 85%. Candidates who wish to teach advanced courses must also score at least 85% on the advanced portion of the AEMT exam. The CIC candidate must be certified at or above the desired teaching level.
- Actively providing pre-hospital care with an EMS agency and have a minimum of two years of clinical experience (two of the last three years).

Note: Clinical Experience Substitution – May be given to RNs, RRTs, PAs, or other NYS licensed allied health personnel who are NYS EMTs and would like to become a CLI or CIC. Clinical experience substitution may be issued by written permission of the NYS-BEMS Central Office

- A letter recommendation from the Course Sponsor that will be providing the instructor internship.

Course number: 01-03-0022
Course location: Academy

NYSDOH Certified Lab Instructor (CLI)
The CLI course prepares a candidate to become certified to teach lab skills in NYS-BEMS certification courses. This course is held in cooperation with EMSTAR.

Designed for: Current NYS EMT’s or higher
Course length: 16 hours

Prerequisites:
- Current certification as a NYS EMT or Advanced EMT
- A NYS EMT/AEMT written certification examination within the past three years and scored at least 85%. Candidates who wish to teach advanced courses must also score at least 85% on the advanced portion of the AEMT exam. The CIC candidate
must be certified at or above the desired teaching level.

- Actively providing pre-hospital care with an EMS agency and have a minimum of one year of clinical experience within the last three years.
- A letter recommendation from the Course Sponsor that will be providing the instructor internship.

Course number: 01-03-0023
Course location: Academy

NYSDOH Certified Instructor Update (CIU)
The Certified Instructor update is designed to fill the 6-hour continuing education requirement for recertification of CLI’s and CIC’s. The program is designed to be a mechanism for communicating new information to the certified instructors throughout the State. This course is held in cooperation with EMSTAR.

Designed for: NYS CIC’s and CLI’s
Course number: 01-03-0024
Course location: Academy

First Responder Administration of Intranasal Naloxone to Reverse Opioid Overdose
Drug overdose from opioids (such as heroin, codeine, morphine, fentanyl and others) is a significant problem in all areas of New York State. This training video, and associated print materials, is designed to prepare Non-EMS Fire Department’s to administer naloxone using an intra-nasal applicator (mucosal atomizer device) in cases of suspected opioid overdose. Naloxone is a medication that safely reverses opioid overdose. The objective is to treat and reduce injuries and fatalities due to opioid-involved overdoses when a Non-EMS Fire Department First Responder (FDFR) is the first to arrive at the scene of a suspected overdose. This training will allow FDFR’s to recognize signs and symptoms of overdose, assemble a mucosal atomizer device for administering Intranasal naloxone, and implement opioid overdose prevention activities in accordance with NYS- approved policies and procedures.

Designed for: All Non-EMS FD first responders
Course Length: 90 minutes
Course number: 01-03-0019
Course location: Locally via Outreach

FIRE/ARSON INVESTIGATION

Introduction to Fire Investigation
Provides knowledge of basic fire chemistry and observational skills necessary to judge fire behavior, as well as an introduction to NFPA 921 and 1033. Students learn to determine the cause and origin of accidental and natural fires and methods of documenting the fire scene. Students also learn the concept of incendiaryism, evidence preservation, scene security and safety. The course provides a basic understanding of fire's behavior and its value in determining a fire's origin and cause.

Designed for: Attendance restricted to those members of or perspective members of fire, police, or insurance investigator units and prosecutors.
Course Length: 40 hours
Prerequisites: Signed Fire / Arson Investigation Training Program Agency Endorsement Affidavit
Course number: 01-01-0014
Course Location(s): Academy, Locally via Outreach
Student Required Equipment/Materials: Students are required to have a copy of the most current NFPA 921, a current edition of Jones and Bartlett Fire Investigator text book and access to the most current copy of NFPA 1033.

Fire Investigation
This extensive hands-on course provides in-depth knowledge and skills necessary to thoroughly investigate fires from fire scene to the courtroom as outlined in NFPA 921. Includes fire dynamics, motives, scene documentation, evidence, case preparation and testimony. Students engage in a hands-on investigation that includes investigating, documenting and collecting evidence from a fire scene, conducting background checks, interviewing witnesses, case preparation, and testifying at a mock trial in a court setting in front of a judge. Course also includes the Fire Investigator National Certification test.

Designed for: Attendance restricted to those fire, police, prosecutorial and insurance investigators who are legally bound to investigate and prosecute arson fires.
Course Length: 80 hours with additional evening hours
Prerequisites: Introduction to Fire Investigation, High School Diploma or equivalent, and Signed Fire / Arson Investigation Training Program Agency Endorsement Affidavit
Materials Fee: $85
Course number: 01-01-0014
Course Location(s): Academy

Student Required Equipment/Materials:
Students are required to have a copy of the most current NFPA 921, current edition of Jones and Bartlett Fire Investigator text book, and, access to the most current edition of NFPA 1033.

Note: Course includes evening sessions

Canine Accelerant Detection Workshop
Provides certified Accelerant Detection Canine Teams an opportunity to conduct searches under the guidance of experienced K9 Trainers as a means to hone skills on a semi-annual basis. Laboratory verified ignitable liquid prepared samples will be utilized in a variety of search environments to evaluate search techniques and canine team abilities to effectively search and locate, with constructive feedback from trainers.

Designed for: Canine Accelerant Detection Canine Teams as annually certified by OFPC
Course Length: 6 hours
Prerequisites: Current OFPC Certification as an Accelerant Detection Canine Team
Course number: 01-01-0031
Course Location(s): Academy

Note: Special circumstances apply. Call the Academy for further information.

Canine Accelerant Detection Certification
Provides extensive, highly specialized training for the development of a new canine accelerant detection team. A canine partner suitable for accelerant detection work will be screened and selected by OFPC and provided to the
Electrical Fire Cause Determination I
Provides fire investigators with the knowledge and skills to prove or eliminate an electrical fire cause. Students develop an understanding of electrical power systems including basic wiring, materials and equipment, and proper and improper installations. Students engage in several hands-on exercises to increase their awareness of electrical behavior and build confidence when examining electrical systems.
Designed for: Fire investigators; fire officers
Course Length: 18 hours
Prerequisites: Fire Behavior and Arson Awareness and Principles of Fire Investigation, or NYS Academy of Fire Science Fire/Arson Investigation, or National Fire Academy (NFA) Fire/Arson Investigation
Course number: 01-01-0009
Course Location(s): Academy

Electrical Fire Cause Determination II
Continues to build upon the principles and skills established in Electrical Fire Cause Determination I (01-01-0009) by advancing the fire investigator’s knowledge in the understanding of specific characteristics of electrical arc failures. Topics covered include arc tracking, open neutrals, high resistance faults, small electrical appliance failures and the characteristic failures of various types of electrical light fixtures. The course is conducted in a classroom and laboratory setting involving many hands-on demonstrations as well as the practical application in the use of diagnostic meters used by the fire investigator.
Designed for: Fire investigators, Fire Officers
Course Length: 20 hours
Prerequisite: Electrical Fire Cause Determination I
Course number: 01-01-0010
Course Location(s): Academy

Fire/Arson Investigation Seminar
Features expert speakers and presenters from government agencies, commerce and insurance. Provides information and new developments in the field of fire investigation and allows for an exchange of ideas and experiences through peer interaction. Attendance fulfills the annual New York State in-service training requirements for fire investigators.
Designed for: Fire, police, Insurance SIU and municipal officials responsible for the legal investigation and prosecution of arson
Course Length: 12 hours
Prerequisites: Fire Behavior and Arson Awareness and Principles of Fire Investigation, or equivalent
Materials Fee: $10
Course number: 01-01-0018
Course Location(s): Academy

Fire/Arson Investigation Specialty-Fire Investigative Photography
Provides fire investigators with the knowledge and skills to photographically document a fire investigation scene. This hands-on program includes operation and maintenance of equipment, flash techniques, fire scene photography, digital photography.
Designed for: Fire Investigators
Course Length: 20 hours
Prerequisites: Fire Behavior and Arson Awareness and Principles of Fire Investigation, or NYS Academy of Fire Science Fire/Arson Investigation, or National Fire Academy Fire/Arson Investigation
Course number: 01-01-0021
Course Location(s): Academy

Fire/Arson Investigation Specialty-Interviewing Techniques for the Fire Investigator
Provides fire investigators with the knowledge and skills necessary to effectively interview witnesses and take statements, recognize and interpret symptoms of stress, and prepare a case for trial.
Designed for: Fire investigators
Course Length: 20 hours
Prerequisites: Fire Behavior and Arson Awareness and Principles of Fire Investigation, or NYS Academy of Fire Science Fire/Arson Investigation, or National Fire Academy Fire/Arson Investigation
Course number: 01-01-0020
Course Location(s): Academy

Canine Accelerant Detection Re-Certification
Provides for testing and re-certification of established canine detection teams for annual state certification. Advanced techniques and field methods are presented with scent recognition and testing conducted by OFPC trainers using laboratory certified samples of ignitable liquids, burned and unburned.
Designed for: Investigative teams performing canine accelerant detection
Course Length: 20 hours
Prerequisite: An operating canine accelerant detection team with a certificate attesting completion of initial training by an accredited agency, and Signed Fire / Arson Investigation
Materials Fee: $100
Course number: 01-01-0007
Course Location(s): Academy

Note: Special circumstances apply. Call the Academy for further information.

Student handler. Student canines and their handlers will be trained using the praise and play training methodology. Teams will learn to detect families of ignitable liquids as defined by ASTM standards in addition to learning various search techniques, canine health and behavior, and environmental conditioning. Laboratory verified samples will be utilized to test the K9 Teams ability to detect appropriate ignitable liquids in both burned and unburned. A written exam must also be successfully completed. This course is for experienced fire investigators and requires a municipal / government sponsorship.
Designed for: New Canine Accelerant K9 Teams
Course length: 300 hours
Prerequisite: New York State Fire Investigator Level II Certification or equivalent, and Signed Fire / Arson Investigation
Materials fee: $750 * includes the canine, initial medical screening of the canine, and some basic equipment.
Course number: 01-01-0006
Course Location(s): Academy

Note: Special circumstances apply. Call the Academy for further information.
Note: Course includes evening sessions

Seminar
**Juvenile Firesetter Intervention Program Seminar**

This one-day program consisting of lectures and workshops provides information and new developments in the field of juvenile firesetter intervention and education through the exchange of ideas and information from expert speakers and presenters.

**Course Location(s):** Academy

**Course Number:** 01-01-0023

**Course Length:** 16 hours

**Course number:** 01-01-0024

**Course Location(s):** Academy

**Fire Scene Evidence Collection**

Provides fire investigators with the knowledge and skills necessary to document, collect and preserve various types of evidence relating to fire/arson investigations. Follows procedures and guidelines outlined in National Fire Protection Association 921 and addresses legal concerns associated with fire scene evidence collection, such as documentation, chain of custody, and spoliation. This is a hands-on course with several hours devoted to the collection of evidence of both accidental and incendiary fires.

**Designed for:** Members of municipal fire and arson investigation teams and insurance SIU teams.

**Course Location(s):** Academy

**Vehicle Fire Investigation**

Provides fire investigators with the knowledge and skills to determine the origin and cause of fires in vehicle. Students will develop an understanding of vehicle components, their common fuel packages, and the vehicle fire investigation process. The course is a combination of classroom and “hands-on” group exercises familiarizing the student with proper investigative techniques to include the processing of a vehicle fire through the understanding of vehicle components and the fire investigation process. The course utilizes NFPA 921 as its reference text along with a OFPC student course manual.

**Designed for:** Fire Investigators and SIU teams

**Course Location(s):** Academy

**Materials Fee:** $50

**Student Required Equipment/Materials:** Students are required to have a copy of the most current NFPA 921, appropriate personal protective equipment for head, eye, hands and foot protection including inclement weather fire investigations.

**Note:** Course includes evening sessions

**FIRE EQUIPMENT MAINTENANCE**

**BREATHING APPARATUS MAINTENANCE - SCOTT 2.2 / 4.5**

This course provides knowledge to properly inspect, clean and maintain the Scott Self Contained Breathing Apparatus. A review of the various laws, rules and regulations for the selection, inspection, use and maintenance of the SCBA will provide the student the reasons for proper care of the SCBA. Instructor-led hands on inspection, disassembly and reassembly of an SCBA will provide the student the knowledge, skills and ability to perform field-level maintenance on the Scott 2.2, 4.5 series SCBA, including the AP50 and AP75.

**Designed for:** Fire Service Personnel

**Course Location(s):** Academy

**Course Number:** 01-02-0004

**Course Length:** 12 hours

**Materials Requirement:** Students are required to bring a working Scott Air Pak (2.2, 4.5, AP50 or AP75) to class (make sure to record the serial number and ensure the pack is clearly marked for ownership), as well as tools & supplies (list will be provided to students with the registration confirmation).
Fire Extinguisher Maintenance
Provides technical data on preventative maintenance, recharging, and periodic tests of fire extinguishers. It includes practical work sessions on low-pressure hydrostatic proof testing on extinguishers, recharging techniques, and inspection and maintenance. It 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. The course is approved with the Department of State - Division of Building Standards and Codes for in-service credit.

Designed for: Fire service personnel, code enforcement officials and others responsible for fire extinguisher inspection and/or maintenance

Course Length: 12 hours
Required Text: NFPA10
Course number: 01-02-0009
Course Location(s): Academy

Pumper Service Testing
Contains both technical and practical information necessary to conduct a pumper service test. Students conduct an actual service test.

Designed for: Fire service personnel
Course Length: 12 hours
Course number: 01-02-0020
Course Location(s): Academy

FIRE INSTRUCTOR DEVELOPMENT

Fire Service Instructor I
This is an upper level course designed for the experienced firefighter, fire instructor candidate, fire officer candidate, or other individual who will be delivering instruction within a fire service organization. In addition to the basic knowledge, skills and abilities required for new instructors, this course prepares the candidate to meet the Instructor I job performance requirements as defined in NFPA 1041 “Fire Service Instructor Professional Qualifications,” including delivering instruction from a prepared lesson plan, instructional aids and evaluation instruments, adapting lesson plans, organizing the learning environment, and meeting record-keeping requirements.

Due to the rigorous demands of this course, students are strongly encouraged to obtain lodging at the Academy. There is a lengthy pre-course reading assignment, and students complete a pre-test, final exam, and three presentations during the course. Course includes homework and independent study. There is a dress code for candidates attending this course.

Designed for: Fire department training officers/instructors
Course Length: 62 hours
Prerequisite: starting January 2018: Principles of Instruction or its equivalent.
Required Text: Fire Services Instructor: Principles and Practices (Jones & Bartlett) 2nd ed.
Course number: 01-11-0051
Course Location(s): Academy

Fire Service Instructor II
This is an upper level course designed for the experienced fire service instructor. This course prepares the candidate to meet the Instructor II job performance requirements as defined in NFPA 1041 “Fire Service Instructor Professional Qualifications,” including developing individual lesson plans, scheduling training sessions, budgeting, acquiring resources, developing and analyzing evaluation and feedback instruments, and supervising and coordinating the activities of other instructors.

Due to the rigorous demands of this course, students are strongly encouraged to obtain lodging at the Academy. There is a lengthy pre-course reading assignment, and students complete a pre-test, final exam, independent assignments and one presentation during the course. Course includes homework and independent study. There is a dress code for candidates attending this course.

Designed for: Fire department training officers and training program directors
Course Length: 50 hours
Prerequisite: Fire Service Instructor I
Required Text: Fire Services Instructor: Principles and Practices (Jones & Bartlett) 2nd ed.
Course number: 01-11-0052
Course Location(s): Academy

Principles of Instruction
An introductory course for individuals who will be conducting training at the company level. Topics include: qualities of a good instructor, job performance requirements, components of a lesson plan, cognitive and psychomotor lesson plans, dealing with adult learners, meeting individual learning needs, factors that affect learning, the instructor’s role in safety, new technologies in course delivery, and learning characteristics of different generations.

Designed for: Fire service training officers and company officers
Course Length: 15 hours
Course number: 01-11-0086
Course Location(s): Academy

FIRE OFFICER DEVELOPMENT

Fire Officer I (NFPA 1021-2014 ed.)
This is the first course in the Fire Officer series, addressing all of the job performance requirements found in Chapter 4 of NFPA 1021, Standard for Fire Officer Professional Qualifications. Topics include assuming the role of company officer, fire department organization, leadership, supervision, communications, building construction, pre-incident planning, and company level training. Additionally, the Fireground Strategy & Tactics for First Arriving Companies course is embedded within the Fire Officer I course and covers topics such as scene size-up, engine company operations, truck company operations, and response to non-fire emergencies.

Designed for: Current and prospective fire officers
Course Length: 63 hours
Prerequisite: Firefighter I, or Basic Firefighter, or Firefighting Essentials Services Company Officer 5th Edition (IFSTA)
Required Text: Fire and Emergency Services Company Officer 5th Edition (IFSTA)
Course number: 01-11-0127
Course Location(s): Academy, Locally via Outreach
meeting all of the job performance
requirements found in Chapter 5 of
NFPA 1021, Standard for Fire Officer
Professional Qualifications, the Fire
Officer II course builds on the skills
learned in Fire Officer I. Additionally,
students begin to examine the functions
of a “Managing Fire Officer.” Topics
include government administration,
human resource management, media
relations, budgeting and purchasing,
origin and cause investigations,
conducting accident investigations,
analyzing injuries, post-incident
analysis, and preparing for the future.
Multi-company response scenarios are
also discussed.

Designed for: Fire officers who lead and
manage firefighters and other fire
officers
Course Length: 40 hours
Prerequisite: Fire Officer I or Fire Officer
I National Certification (ProBoard or
IFSAC)
Required Text: Fire and Emergency
Services Company Officer 5th Edition
(IFSTA)
Course number: 01-11-0014
Course Location(s): Academy

Fire Officer III (NFPA 1021-2014
ed.)
This program meets all of the job
performance requirements found in
Chapter 6 of NFPA 1021, Standard for
Fire Officer Professional Qualifications.
Through a combination of reading,
lecture, and group discussion, topics
relevant to the successful management
and operation of a fire and emergency
services agency are addressed.
Students are required to gather,
alalyze, and utilize data from their
agency or department to complete the
assignments that are due throughout
the course. The assignments during the
course are designed to assist students
in the preparation of their final project,
Standard of Cover document for their
jurisdiction. The course culminates with
each student making a presentation
to a panel of reviewers about their
Standard of Cover document. Course
topics include regulations, standards,
issues of liability, capital resource
management, information systems,
performance management, emergency
medical services, organizing and
deploying resources, and evaluating
and managing local risks.

Designed for: Current and aspiring Chief
officers
Course Length: 80 hours (5 weekends),
plus substantial individual research
time
Prerequisites: Fire Officer II
Required Text: Managing Fire and
Emergency Services, published by the
International City/County Management
Association, Thiel & Jennings, editors,
Course number: 01-11-0015
Course Location(s): Academy

Fireground Strategies and
Tactics for First Arriving
Companies
Designed for the first arriving officer
at any incident. The primary focus of
this course is structural firefighting but
the lessons learned are applicable for
any emergency scene. Elements of this
course include scene size-up, decision
making, determining incident strategies,
and making tactical assignments.
Also included are lessons on building
construction, fire behavior and growth
as well lessons for operating at common
non-fire incidents such as motor vehicle
accidents, propane and natural gas
emergencies, and other typical non-fire
emergencies. In addition to lecture
and classroom activities this course
utilizes scenarios to allow participants
to employ their newly learned skills in
real time.

Designed for: Fire officers and prospective
fire officers
Course length: 15 hours
Course location: Academy, Locally via
Outreach
Prerequisite: Firefighter I, or Basic
Firefighter, or Firefighting Essentials
Course number: 01-11-0143

First Line Supervisor to Fire
Officer I Bridge Course
This course is intended for Fire Officers
that have attended the First Line
Supervisor’s Training Program (FLSTP)
and need, or want, certification as a
Fire Officer I. This course addresses
the differences in curriculum between
FLSTP and the current NYS Fire Officer
I course and allows students to take
the Fire Officer I National Certification
exam. Course completion requires
students to successfully complete the
practical and written portions of the Fire
Officer I National Certification exam.

Designed for: Career Fire Officers that
have completed the FLSTP
Hours: 16 hours + National Certification
Exam
Prerequisite: (1) NYS Firefighter
certification (229);
(2) Completion of First Line Supervisor’s
Training Program;
(3) Firefighter II National Certification or
Copy of current CPR card and
Completed Live Fire Verification forms
for Firefighter I and Firefighter II.
Course Number: 01-11-0130
Location(s): Academy, Locally via Outreach

ICS-100.A: Introduction to
Incident Command System
This course provides the foundation for
higher level ICS training. It describes
the history, features, principles and
organizational structure of ICS and also
explains the relationship between ICS
and the National Incident Management
System (NIMS).

Designed for: All firefighters
Course Length: 3 hours
Prerequisite: IS-700 NIMS
Course number: 01-05-0033
Course Location(s): Locally via Outreach

IS-700.A: National Incident
Management System (NIMS),
An Introduction
Homeland Security Presidential
Directive (HSPD–5) directed the
Secretary of Homeland Security to
develop and administer a National
Incident Management System. NIMS
provides a consistent nationwide
template to enable all government,
private-sector, and non-governmental
organizations to work together during
domestic incidents. This course will
describe the key concepts, principles
and benefits of using NIMS.

Designed for: All firefighters
Course Length: 3 hours
Course number: 01-14-0018
Course Location(s): Locally via Outreach
I-200.A: ICS for Single Resources and Initial Action Incidents
The complexity of incident management, coupled with the growing need for multi-agency and multifunctional involvement on incidents, has increased the need for a single standard incident management system that can be utilized by all emergency response agencies. Use of the Incident Command System (ICS) by both public safety and private sector organizations continues to increase across the country. The ICS is designed to be used for all applications, fires (wildland and structural), hazardous materials incidents, law enforcement operations, search and rescue operations, air, ground and water accidents, mass casualty incidents, natural disasters and planned events.

Designed for: Fire officers, law enforcement supervisory personnel, emergency medical officers and emergency management personnel
Course Length: 24 hours
Prerequisite: Basic Incident Command System (I-200)
Course number: 01-11-0033
Course Location(s): Locally via Outreach

Intermediate ICS, ICS for Expanding Incidents I-300
The complexity of incident management, coupled with the growing need for multi-agency and multifunctional involvement on incidents, has increased the need for a single standard incident management system that can be utilized by all emergency response agencies. Use of the Incident Command System (ICS) by both public safety and private sector organizations continues to increase across the country. The ICS is designed to be used for all applications, fires (wildland and structural), hazardous materials incidents, law enforcement operations, search and rescue operations, air, ground and water accidents, mass casualty incidents, natural disasters and planned events.

Designed for: Emergency response personnel
Course Length: 12 hours
Prerequisites: IS-700 NIMS and ICS-100
Course number: 01-11-0034
Course Location(s): Academy, Locally via Outreach

Advanced ICS, ICS for Command and General Staff—Complex Incidents I-400
The I-400 course is a classroom-delivered program that discusses advanced management applications of the Incident Command System including Command and General Staff, Unified Command, Major Incident Management, Area Command, and Multi-Agency Coordination. Candidates for this course should have a considerable background in incident management in both academic and practical application.

Designed for: Fire officers, law enforcement supervisory personnel, emergency medical officers and emergency management personnel
Course Length: 16 hours
Prerequisite: Incident Command System Intermediate (I-300)
Course number: 01-05-0032
Course Location(s): Academy, Locally via Outreach

Legal Issues for the Volunteer Fire Service
Newly revised, this course introduces many of the legal concepts and issues that affect the volunteer fire service. Topics include an overview of the legal system, an introduction to the law of liability, the structure of and differences in fire departments and fire districts, the role and legal responsibilities of the Authority Having Jurisdiction, organizational and membership issues, firematic training and operational liability issues, PESH and OSHA compliance, apparatus and motor vehicle operations, legal issues in the delivery of emergency medical service training and delivery of services, youth programs, litigation and legal counsel and a review of recent, topical legislative changes. Classroom work is combined with problem-solving exercises.

Designed for: Fire officers, fire department business officers, fire district commissioners, village and town officials
Course Length: 12 hours
Prerequisite: completion of Legal Issues for the Volunteer Fire Service or Selected Legal Issues for the Volunteer Fire Service.
Course number: 01-05-0075
Course Location(s): Academy

The Role of the Chaplain in Emergency Services
This course explores the vital role the Fire Department chaplains play in the day-to-day operations of emergency services, as well as those times when sickness, injuries or death present difficult problems for the members of fire and EMS departments.

Designed for: All emergency response personnel
Course Length: 12 hours
Course number: 01-11-0045
Course Location(s): Academy

Advanced Legal Issues for the Volunteer Fire Service
The goal of this course is to develop a more sophisticated understanding of some of the more complex legal issues which confront fire department leaders, commissioners and local government officials. This course is intended to develop familiarity with selected issues which affect the volunteer fire service and, through dynamic classroom interaction and exercises consider solutions based on established legal precedents. The course addresses: the concept of governmental immunity and municipal liability; Article 78 Proceedings; the distinctions between procedural error versus substantive error, particularly regarding fire department disciplinary proceedings; and the evolving standard of care owed to the public by fire and EMS agencies.

Designed for: Fire officers, law enforcement supervisory personnel, emergency medical officers and emergency management personnel
Course Length: 12 hours
Prerequisite: completion of Legal Issues for the Volunteer Fire Service or Selected Legal Issues for the Volunteer Fire Service.
Course number: 01-05-0075
Course Location(s): Academy
FIRE PREVENTION/CODE ENFORCEMENT

Courses are also offered locally throughout the year. For a list of dates, locations and topics, consult the internet site: www.dos.ny.gov/DCEA/edu_train_overview.html

Introduction to Code Enforcement Practices Part I

Regulations, Administration and Enforcement. This program will discuss the role of the Code Enforcement Officer and the practices necessary to carry out the job for a local government, including the process — from permit issuance, inspections, records and paperwork, through enforcement actions and legal recourse. In addition, a quick historical side trip will provide a perspective for the laws and regulations that have been enacted to create a uniform statewide approach to code enforcement. This course will include a 1.5-hour final exam.

Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Course number: 02-06-0017
Course Location(s): Academy, Locally via Outreach

Inspection Procedures for Existing Structures

This course teaches the skills required to conduct inspections of existing buildings using the Fire and Property Maintenance Codes of New York State. The course will consist of a standard lecture on a topic, followed by a virtual inspection that requires the student to utilize the lecture information. An inspection form following the course outline is included in the student handout material. This course will include a 1.5-hour final exam.

Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Prerequisites: Introduction to Code Enforcement Practices Part I and Introduction to Code Enforcement Practices Part II
Course number: 02-06-0014
Course Location(s): Academy, Locally via Outreach

General Construction Principles

This course will acquaint code enforcement officials with the systems, equipment and structural requirements of the Code of New York State. In the first module, “Systems and Equipment,” the organization, applicability and content of the Mechanical, Fuel Gas, Plumbing, Energy and Residential Codes of New York State will be addressed. The second module, “Structural Requirements,” will consist of basic load and design theory and the resulting structural requirements in the Building and Residential Codes of New York State. This course will include a 1.5-hour final exam.

Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Prerequisites: Introduction to Code Enforcement Practices Part I and Introduction to Code Enforcement Practices Part II
Course number: 02-06-0013
Course Location(s): Academy, Locally via Outreach

Version 5 Fire Reporting Workshop

Provides the necessary training to participate in the New York State Fire Reporting System for departments using the Version 5 paper report format. It includes an overview of the Fire Reporting System, procedures for completing the Version 5 fire reporting, quality control at the local level, and an understanding of how fire department data may be used.

Designed for: Fire service personnel who prepare Version 5 paper forms
Course Length: 3 hours
Course number: 01-11-0016
Course Location(s): Locally via Outreach

Tactical Fireground Simulations

This course provides students the ability to practice initial command functions on a fire emergency scene utilizing real time computer based scenarios. It is not intended to teach command functions, but rather reinforce previously learned theories while giving students the opportunity to practice in the command role. Through a series of computer simulations, students will serve as both company officer and initial incident commander. A mobile classroom is available for regional deliveries.

Course Number: 01-11-0148
Course Length: 12 hours
Designed for: Students with experience in initial command functions as this course reinforces theories associated with those functions.
Prerequisites: Firefighter 1 or equivalent, along with ICS 100, 200. Experience as a line officer recommended.
Location(s): Academy, Locally via Outreach

Introduction to Code Enforcement Practices Part II

Fire Safe Design. A continuation of Part I, this course is designed to understand the basic principles which created a building that will endure the effects of fire and enable its occupants to safely escape. The NYS Uniform Fire Prevention and Building Code provides this blueprint. This course addresses the basic concepts in the Code that establish the minimum construction standards for all new buildings and demonstrates how the Code balances the potential hazards of the occupancy with the benefits of fire resistant construction techniques, notifications and suppression equipment and systems and proper planning. This course will include a 1.5-hour final exam.

Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Course number: 02-06-0016
Course Location(s): Academy, Locally via Outreach

Strategy and Tactics for Initial Company Operations (NFA)

STICO is designed to meet the needs of Company Officers responsible for managing the operations of one or more companies during structural firefighting operations. STICO is designed to develop the management skills needed by company officers to accomplish assigned tactics at structure fires.

Designed for: Senior firefighter who may at times assume the responsibilities of the company officer (NFPA 1001, Standard for Fire Fighter Professional Qualifications, Level I).
Course Length: 16 hours
Course number: 01-11-0148
Course Location(s): Academy

Pre-requisites:  Firefighter 1 or equivalent, assigned tactics at structure fires.

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Course Location(s): Academy

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Designed for: Senior firefighter who may at times assume the responsibilities of the company officer (NFPA 1001, Standard for Fire Fighter Professional Qualifications, Level I).
Course Length: 16 hours
Course number: 01-11-0148
Course Location(s): Academy

Pre-requisites:  Firefighter 1 or equivalent, assigned tactics at structure fires.
Residential Code of New York State
This course will address the construction requirements for one and two family dwellings and low rise multiple dwellings using the Residential Code of New York State as the compliance method. It is designed to take the student through the steps of a typical code enforcement permit process, including code research, plan review and inspection. This course will include a 1.5-hour final exam.
Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Course number: 02-06-0018
Course Location(s): Academy, Locally via Outreach

Building Code of New York State
This course will address the construction requirements for commercial structures using the Building Code of New York State as the compliance method. It is designed to take the student through the typical code enforcement permit process for a commercial project, including code research, plan review and inspection. This course will include a 1.5-hour final exam.
Designed for: Code enforcement officials, building and fire inspectors
Course Length: 21 hours
Course number: 02-06-0001
Course Location(s): Academy, Locally via Outreach

Fire Alarm Systems
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.
Designed for: Fire department, municipal and industrial fire marshals and inspectors, code enforcement officials, fire officers
Course Length: 14 hours
Course number: 01-10-0034
Course Location(s): Academy, Locally via Outreach

Fire Inspector I Course
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 application 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.
Designed for: Code Enforcement, Building and Fire Inspectors
Course Length: 72 Hours
Course # 1-14-0046
Course Location: Academy

Fire and Life Safety Educator I
This is an advanced course designed for emergency service personnel and other professionals who deliver fire and/or life safety instruction to the public. In addition to the basic knowledge, skills and abilities required for fire and life safety educators, this course prepares the candidate to meet the Fire and Life Safety Educator I job performance requirements as defined in NFPA 1035 “Fire and Life Safety Educator Professional Qualifications”. Course topics include: organization, injury prevention, partnerships, media, documentation and record keeping, scheduling, presentation, teaching techniques, audience characteristics, lesson plans, presentation and evaluation methods, informational programs, life safety hazards, fire behavior and fire protection. There is a pre-course reading assignment for this course. Students are required to successfully complete assignments, a final exam, and a final presentation. This course also includes homework and independent study. There is a dress code for candidates attending this course.
Designed for: All emergency service personnel and other professionals
Required Text and Reading Material:
IFSTA Fire and Life Safety Educator (3rd Edition), NFPA 1035 - Fire and Life Safety Educator Professional Qualifications
National Certification Available: Yes
Course Length: 40 hours
Course Number: 01-10-0020
Course Location(s): Academy, Locally via Outreach

Fire Marshals and Inspectors Seminar
Conducted annually to keep fire inspectors aware of technological and code changes and to provide background information in the field of fire prevention. It includes speakers from commerce, industry, and government agencies. Attending the courses provided in this program will meet the 24 hour in-service credit requirement.
Designed for: Fire department, municipal and industrial fire marshals and inspectors, code enforcement officials
Materials Fee: $5
Course number: 01-10-0006
Course Location(s): Academy

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.
Designed for: Fire department, municipal and industrial fire marshals and inspectors, code enforcement officials, fire officers
Course Length: 14 hours
Course number: 01-10-0018
Course Location(s): Academy, 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. Designed for: Fire department, municipal and industrial fire marshals and inspectors, code enforcement officials, fire officers.
Course Length: 14 hours
Required Text: NFPA #13
Course number: 01-10-0017
Course Location(s): Academy, Locally via Outreach

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. Designed for: Fire department, municipal and industrial fire marshals and inspectors, code enforcement officials, fire officers.
Course Length: 6 hours
Course number: 01-10-0046
Prerequisites: None
Required text: None
Materials fee: None
Course Location(s): Academy, Locally via Outreach

Fire and Life Safety Educators' Conference
Co-sponsored with the NYS Association of Fire Chiefs, this course provides a series of presentations, demonstrations, workshops, and illustrations of successful public fire prevention education programs. It offers attendees new ideas and concepts to improve planning, developing, and presenting programs for both children and adults. Various speakers from private organizations, fire service, government agencies, and industry are involved. Designed for: All emergency response personnel, teachers, and others.
Course Length: 16 hours
Materials Fee: $5
Course number: 01-10-0012
Course Location(s): Academy, Locally via Outreach

FIRE SUPPRESSION

Recruit Firefighter Training
 Provides training established under Executive Law, Section 159-d, Part 426.6. It provides minimum, uniform, basic fire training for probationary and nonpermanent firefighters. Training covers basic firefighter skills, fire department organization, first aid, firefighting tactics and strategies, and physical fitness programs. Designed for: Probationary and non-permanent firefighters of fire departments required to meet NYS Minimum Training Standards.
Course Length: 500 hours
Materials Fee: $750. A special registration form and fee are required. Please contact the Academy.
Course number: 01-05-0038
Course Location(s): Academy
Note: Special circumstances apply. Call the Academy for further information.

Basic Exterior Firefighting Operations (BEFO) 2016 Edition
This course prepares new firefighters to operate in the exterior or non-IDLH areas of the fire scene. Students participate in learning events covering firefighter personal protective equipment (PPE), self-contained breathing apparatus donning, doffing and use, SCBA air management and SCBA emergencies, basic firefighter survival techniques, modern fire control methods, building fire search and victim removal techniques, firefighter survival skills, tactical ventilation techniques and basic power saw operation, forcible entry techniques, hose line advancement, vehicle and wildland firefighting theory, vehicle firefighting techniques, coordinated structure fire interior attack and transitional fire attack, and coordinated initial company operations. Designed for: BEFO course graduates ready to perform interior structural and IDLH firefighting operations.
Course Length: 49 hours
Prerequisites: Basic Exterior Firefighting Operations (BEFO) 2016 Edition Course Completion
OR BEFO 2015 Edition AND Bridge/ refresher training course
OR Scene Support Operations Course Completion AND Bridge/ refresher training course
OR Basic Firefighter or Essentials course completion AND Bridge / refresher training course.
Training Authorization Letter affirming medical clearance and mask fit test is required to participate.
Course number: 01-05-0045
Course Location(s): Locally via Outreach
Firefighter I - Internet Based Course

This course is designed for the highly motivated, self-directed student with access to high-speed internet who can commit to a very aggressive training schedule in a compressed time format. Students will be expected to read three chapters, complete the respective on-line interactive slide shows and score 80% on three on-line chapter tests each week. Students will be monitored and assisted by an instructor through email and on-line course contact. Corresponding skills instruction and evaluation will occur at a training facility during weeks three, eight and nine. Students must be available to attend a four-hour orientation session, weekend units at week three, and full week of units in week eight and week nine. Final written and skills evaluation will be performed at the end of week nine in person at the training facility. As the initial entry program for firefighting personnel, this combined course introduces firefighting concepts, practices and techniques necessary for the new member to become an interior structural firefighter who can perform under the direct supervision of a company officer. Completion of this course achieves the 21 objectives of function 4.2 Interior Firefighters of the OFPC Recommended Best Practices for FD Training Programs (01/15) document. Designed for: Entry-level FD members seeking to become interior structural firefighters Course Length: 26 units of on-site skills training & 22 units of independent on-line learning all over a 9 week period Prerequisites: Completion of an approved CPR course. Students must be physically capable of wearing SCBA and possess current medical clearance for SCBA use. Students not possessing this prerequisite will not be allowed to participate for their own safety. A completed “Training Authorization Letter” mailed with your registration will meet this requirement. Course number: 01-05-0066 Course Location(s): Locally via Outreach

Firefighter II

Designed as the last step in initial level training for interior structural firefighters and/or who will serve as team or group leaders under the general supervision of an officer. Introduces new more advanced areas that will be expanded in other training programs. With the exception of those NFPA Firefighter Level II objectives pertaining to Vehicle Extrication techniques, a firefighter receives the training components equivalent to those found within NFPA Firefighter II Standard. Firefighter II is based on objectives from NFPA Standard 1001, Firefighter Level II, and consists of performance criteria in: incident command implementation, build-ing materials and collapse, special rescue, hydrant flow and operability, hose tools, foam operations, flammable liquid/gases, detection, alarm systems, fire department communications, pre-fire planning, special situations, strategy and tactics. Note: Firefighter II equivalents are Fire Attack II or Advanced Firefighter Designed for: Interior structural firefighters and/or firefighters who may serve as team or group leaders Course Length: 45 hours Prerequisites: Firefighter I or equivalent and students must also be physically capable of wearing SCBA and possess current medical clearance for SCBA use. Students not possessing this prerequisite will not be allowed to participate for their own safety. A completed “Training Authorization Letter” mailed with your registration will meet this requirement. Course number : 01-05-0086 Course Location(s): Locally via Outreach

SCBA Confidence

This course is taught by individuals instructed through the Train-the-Trainer program offered at the Academy of Fire Science. State certificates are not issued for this program. SCBA Confidence provides a solid indoctrination in emergency procedures and establishes confidence in using self-contained breathing apparatus in a crisis situation. Designed for: All fire service personnel Course Length: 15 hours Prerequisite: Fire Fighter I or equivalent. Signed Training Authorization Letter required Course number : 01-05-0044 Course Location(s): Academy, Locally via Outreach

Firefighter Survival

Based on Chief John Salka’s “Get Out Alive” program, this program is designed for self-rescue and rescue of trapped firefighters. Course content will enable firefighters to recognize the types of events encountered on the fire ground that contribute to firefighter disorientation and/or entrapment, to have knowledge of what is necessary to ensure their safety and that of their partners or crew members, and perform self-rescue techniques when disoriented, separated, or when needing to exit a structure in an emergency. This course requires students to perform a number of practical evolutions with self-contained breathing apparatus (SCBA). This course includes the National Fire Academy Calling the Mayday. Designed for: Fire service personnel Course Length: 12 hours Prerequisites: Firefighter I, SCBA medical clearance, and signed Training Authorization Letter. The nationally recognized Firefighter Level I certification may be substituted for the course prerequisites. Course number : 01-05-0076 Course Location(s): Locally via Outreach

Firefighter Assist and Search Team (FAST)

The firefighter as a member of a FAST operation will identify the tools and staffing requirements for a FAST operation, develop a rescue plan for a missing, lost, or trapped firefighter; demonstrate rope search techniques, and demonstrate removing a firefighter/victim up a stairwell, up or down through a hole in a floor/roof, moving a downed firefighter out of a window, and lowering a firefighter down a ladder. This course requires students to perform a number of practical evolutions with self-contained breathing apparatus (SCBA). Designed for: Fire service personnel Course Length: 15 hours Prerequisites: Firefighter Survival, Firefighter I and SCBA medical clearance. Training Authorization Letter required and 4 years firefighting experience Course number : 01-05-0018 Course Location(s): Locally via Outreach
Truck Company Operations
This course provides instruction for using ladder company equipment including operating ground ladders. Includes duties and responsibilities of the ladder company, operating and maintaining specialized tools, ventilation, forcible entry, search, and building construction.

Designed for: Fire service personnel
Course Length: 24 hours
Prerequisites: Firefighter I or equivalent and students must also be physically capable of wearing SCBA and possess current medical clearance for SCBA use. Students not possessing this prerequisite will not be allowed to participate for their own safety. A completed “Training Authorization Letter” mailed with your registration will meet this requirement.
Course number: 01-05-0046
Course Location(s): Locally via Outreach

Apparatus Operator - Emergency Vehicle Operation
Provides vehicle operators with a better understanding of the seriousness of emergency vehicle operation. Based on objectives from National Fire Protection Association (NFPA) Standard 1002 Fire Apparatus Driver/Operator, Chapter 2, this course stimulates the thought processes to make students aware of the potential for tragedy and financial loss and of the legal and moral responsibilities encountered when operating an emergency vehicle.

Apparatus Operator Emergency Vehicle Operations Equivalents are EVOC Courses offered by VFIS Insurance, ESIP Insurance or Utica National Insurance. Train the Trainers are not accepted as equivalent.

Designed for: Fire service personnel
Course Length: 18 hours
Prerequisites: A valid driver’s license
Course number: 01-05-0004
Course Location(s): Locally via Outreach

Apparatus Operator - Aerial Device
Designed to follow the NFPA 1002 Fire Apparatus Driver/Operator Professional Qualifications, provides the student with knowledge necessary to operate, inspect and maintain aerial devices. Course content includes emergency vehicle operations review, classification and typing, vehicle inspection, operation of various types of aerial devices including platforms and ladders, proper location of placement and setup at an incident including driving, spotting and stabilizing. Fire departments must possess an aerial device to offer this program enabling students to fully operate this device.

Designed for: Fire service personnel
Course Length: 24 hours
Prerequisites: Firefighter I or equivalent
Course number: 01-05-0005
Course Location(s): Locally via Outreach

Water Supply Operations
Offers firefighters with information and skills in determining water supply requirements for firefighting purposes and water delivery methods. Demonstrations and practice sessions are included.

Designed for: Fire service personnel
Course Length: 24 hours
Prerequisites: Firefighter I or equivalent
Course number: 01-05-0005
Course Location(s): Locally via Outreach

Apparatus Operator - Pump
Offers knowledge and skills essential to pump operation. Based on objectives from National Fire Protection Association (NFPA), Fire Apparatus Driver/Operator, Chapter 3, this course includes responsibilities of pump operators, hydrantics and friction loss, pump controls and accessories, fire streams, pumper practices, pumping from draft and pump evolutions, and using the fire pump at the hydrant. Demonstrations and practice sessions are included.

Designed for: Fire service personnel
Course Length: 24 hours
Prerequisites: Firefighter I or equivalent
Course number: 01-05-0005
Course Location(s): Locally via Outreach

The purpose and intent of this course is to provide the student with basic understanding of the requirements of NFPA 1403 Standard on Live Fire Training Evolutions. It is intended that the student be pro-vided with an introduction to the necessary knowledge and tools to properly prepare and conduct live fire-training evolutions. This program provides an in-depth analysis of NFPA 1403, addressing evolutions at municipal training centers, gas fired training buildings and exterior props, vehicle fires and acquired structures and exterior class B fires. It is also designed to provide an overview of live fire training requirements, especially for responsible individuals such as commis-sioners and chiefs who may not be directly involved with the conduct or planning of these evolutions, but with whom may rest the ultimate responsibility for training within their jurisdiction.

Designed for: Commissioners, chief officers, presidents, members of boards of directors and elected officials who may have legal authority and responsibility for fire department live fire training activities and those who actually conduct live fire evolutions.
Course Length: 4 hours
Course number: 01-05-0005
Course Location(s): Locally via Outreach

Aircraft Rescue and Firefighting
Covers specialized areas for the air transportation industry, such as airport and aircraft familiarization, firefighting agents, rescue, ventilation and forcible entry for both civilian and military aircraft.

Designed for: Fire service personnel
Course Length: 12 hours
Prerequisite: Firefighter I or equivalent
Course number: 01-05-0005
Course Location(s): Academy, Locally via Outreach
Basic Wildland Fire Suppression
Developed by the New York State Department of Environmental Conservation Forest Rangers and the New York State Office of Fire Prevention and Control for firefighters involved in wildland fire suppression. The course contents include jurisdiction and responsibilities, fire behavior, wildland fire elements and size-up, use of tools and equipment, general concepts related to fire suppression, securing the control line, and standards for safety.
Designed for: Fire service personnel
Course Length: 12 hours
Prerequisite: Basic Firefighter or Firefighting Essentials
Course number : 01-05-0007
Course Location(s): Locally via Outreach

Basic Wildland Search Skills
Developed by the New York State Department of Environmental Conservation, the Basic Wildland Search Skills Course teaches the most basic skills needed to conduct searches in the wildland environment. Topics covered in this course include, basic search organization (Incident Command System), communications, search techniques, attitude and safety. This course concludes with a field exercise to practice the type 3 search technique (grid search) discussed in the classroom. Graduates of this course will receive a “Green Card” which will identify them as having successfully completed this course. This course is also a prerequisite to other more advanced search courses offered by the New York State Department of Environmental Conservation.
Designed for: Fire service personnel
Course Length: 8 hours
Prerequisite: None
Course number : 01-05-0008
Course Location(s): Locally via Outreach

Courage to be Safe
OFP C, in partnership with the National Fallen Firefighters Foundation, is delivering this educational initiative to accomplish the goal of the US Fire administration to reduce firefighter fatalities by 25 percent within five years and 50 percent within 10 years.
The program is based on 16 initiatives developed during the Firefighter Life Safety Summit.
Designed for: All firefighters, especially individuals in leadership and decision making positions
Course Length: 4 hours
Course number : 01-15-0001
Course Location(s): Locally via Outreach

Fire Mobilization and Mutual Aid Awareness
An awareness level course designed for officers and firefighters who may deploy as part of the New York State Fire Mobilization and Mutual Aid Plan or department officers who may find themselves needing to request assistance through the New York State Fire Mobilization and Mutual Aid Plan during a large scale event. Topics include: an overview of the New York State Fire Mobilization and Mutual Aid Plan, requesting and deploying resources, expectations of deploying resources, documentation, and an overview of the reimbursement process.
Designed for: All emergency response personnel
Course Length: 3 hours
Course number : 01-05-0083
Course Location(s): Locally via Outreach

Principles of Building Construction: Combustible (NFA)
This course introduces basic construction principles and the special characteristics of wood and ordinary construction as they concern the fire service. Primary emphasis is on improving the fire officer’s ability to ensure firefighter safety by recognizing common causes and indicators of failure and other hazards related to building construction. Course material enables the fire officer to better predict the overall reaction of a building to fire conditions.
Designed for: Fire service personnel
Course Length: 12 hours
Prerequisite: BEFO (formerly known as Scene Support Operations) or equivalent
Course number : 01-05-0034
Course Location(s): Academy, Locally via Outreach

Principles of Building Construction: Noncombustible (NFA)
Introduces special characteristics of noncombustible and fire resistive construction as they concern the fire service. Primary emphasis is on improving the fire officer’s ability to ensure firefighter safety by recognizing common causes and indicators of failure and other hazards related to building construction. Course material enables the fire officer to better predict the overall reaction of a building to fire conditions.
Designed for: Fire service personnel
Course Length: 12 hours
Course number : 01-05-0035
Course Location(s): Academy, Locally via Outreach

The Rules Have Changed...
The Firefighter's Guide to Lightweight Wood Construction
This course introduces the student to the special characteristics and considerations of Lightweight Wood Construction. Topics such as manufacturing methods, component awareness, fire performance, and strategies & tactics pertaining to fires involving lightweight wood construction will be examined. Primary emphasis is on improving fire personnel's ability to recognize the presence of lightweight wood construction and the hazards related with it. Course material enables the student to recognize the dangers, operate safely and better predict the overall reaction of a building during fire conditions. The course includes three student activities.
Designed for: Fire Officers and senior firefighting personnel.
Fire Officers and senior firefighting personnel.
Course Length: 12 hours
Prerequisite: Firefighter I or equivalent
Course number : 01-05-0071
Course Location(s): Academy
Refresher Training
The Refresher Training course is a unique approach to fire training in New York State. It is designed to address the needs of veteran firefighters who have been trained for some time and are in need of skill refresher opportunities. A course is created by county fire coordinators to provide targeted refresher training and will include specific skills retraining by selecting a series of existing units of instruction from any of the courses listed below. Contact your county fire coordinator for further information.

Designed for: Fire service personnel
Course number and length:
- 01-05-0042, 2 units, 6 hours;
- 01-05-0043, 3 units, 9 hours;
- 01-05-0039, 4 units, 12 hours
Prerequisite: Firefighter (1S) or equivalent
Courses Offered: Firefighter I, Firefighter II, Apparatus Operator - Pump, Truck Company Operations, Apparatus Operator - Aerial Device
Location: Locally via Outreach

Thermal Imaging Camera Operations
This course incorporates (8) hours of training under live fire conditions along with (4) hours of interactive lecture. Students will receive instruction on NFPA 1408 and gain the ability to evaluate their own department’s compliance. Students are encouraged to bring their own Thermal Imaging Cameras, otherwise one will be provided.

Designed for: MTOs, MFIs and Fire Company/District Training Officers with responsibilities of training administration and delivery.
Pre-requisites: Firefighter 1 or equivalent and Principles of Instruction or equivalent.
Required equipment: Fully NFPA compliant PPE, Self- Contained Breathing Apparatus and (2) spare bottles with current hydrostatic test dates.
Materials Fee: $25
Course Number: 01-14-0021
Course Length: 12 hours
A completed Training Authorization Letter must accompany the registration for this course.
Course Location: Academy

HAZARDOUS MATERIALS

Hazardous Materials First Responder Operations
Prepares emergency responders to effectively and safely respond to and stabilize hazardous materials incidents from a defensive position. Meets the training requirements of OSHA 1910.120 for the first responder, both at the awareness and operations levels. Includes recognizing and identifying hazardous materials, classifications and the hazards of each class, transport vehicles and associated hazards, planning for incidents, personal protective equipment and its limitations, confinement methods and decontamination procedures. Case studies identify appropriate operational procedures. This course is also contained in the Firefighter I course.

Designed for: All emergency response personnel
Course Length: 16 hours
Course number: 01-09-0071
Course Location(s): Academy, Locally via Outreach

Hazardous Materials Technician Module 1: Primary Skills for the Hazardous Materials Responder
Emergency response personnel will learn basic skills to effectively and safely respond to incidents involving hazardous materials in an offensive or defensive mode. This course covers portions of OSHA 1910.120 and NFPA 472 for the Hazardous Materials Technician. Topics include terminology associated with Hazardous Materials responses, use of reference materials at a hazardous materials incident, determining appropriate decontamination methods and the selection and use of chemical protective clothing. Course uses both lecture and hands-on skill stations.

Designed for: All emergency response personnel
Course Length: 24 hours
Prerequisites: Hazardous Materials First Responder Operations, and SCBA medical clearance. Signed Training Authorization Letter required. Student must be affiliated with a hazardous materials response agency to attend regional classes. Academy offerings are open to all.
Course number: 01-09-0098
Course Location(s): Academy, Locally via Outreach

Hazardous Materials Technician Module 2: Interpreting the Hazardous Environment
This second in a series of Hazardous Materials Technician modules provides emergency response personnel with skills to interpret and better understand the hazardous environments they will be working in. This course covers portions of OSHA 1910.120 and NFPA 472. Topics include the use of chemistry for the emergency responder; monitoring, detection and identification instrumentation; proper sampling protocols and identification of special response incidents such as Clandestine Laboratories and Weapons of Mass Destruction/ Terrorism incidents.

Designed for: All emergency response personnel
Course length: 12 hours
Prerequisites: Hazardous Materials Technician Module One: Primary Skills for the Hazardous Materials Responder. Student must be affiliated with a hazardous materials response agency to attend regional classes. Academy offerings are open to all.
Course number: 01-09-0099
Course Location(s): Academy, Locally via Outreach

Hazardous Materials Technician Module 3: Managing the Hazardous Materials Incident
OSHA 1910.120 and NFPA 472 require Hazardous Materials Technicians to be trained in the management of Hazardous Materials incidents. This third segment in a series of 5 covers the requirements of those two standards. Course topics include risk
based analysis, a Hazardous Materials Technician's role in ICS, container identification, planning a response and incident termination.

Designed for: All emergency response personnel
Course length: 8 hours
Prerequisites: Hazardous Materials Technician Module One: Primary Skills for the Hazardous Materials Responder. Student must be affiliated with a hazardous materials response agency to attend regional classes. Academy offerings are open to all.
Course number: 01-09-0100
Course location(s): Academy, Locally via Outreach


The fourth module in the Hazardous Materials Technician curriculum gives the hazardous materials responder the knowledge to properly contain and mitigate the hazard posed by a hazardous material in a damaged container. This course will discuss and allow for hands on learning on the following topics: Damage assessment and product behavior, Plugging, Patching, dome cover clamps, overpacking, Chlorine Emergency Kits A, B, C. We will also discuss the special considerations associated with pressurized containers, drums and intermediate bulk containers.

Designed for: All emergency response personnel
Course length: 24 hours
Course number: 01-09-0101
Course location(s): Academy, Locally via Outreach

### Hazardous Materials Technician Module 5: Specialty Skills for the Hazardous Materials Responder

The last module of the Hazardous Materials Technician curriculum combines the skills and knowledge that a Hazardous Materials Technician must demonstrate to be certified under OSHA 1910.120 and NFPA 472. This course will include discussion and hands on skills on the following topics: Haz Mat RIT procedures, hot and cold tapping, stinger operations, venting, flaring, vent & burn, vacuum and pressure differential transfers, transfer pumps, hoses, sparging, vapor suppression and dispersion.

Designed for: All emergency response personnel
Course length: 16 hours
Course number: 01-09-0102
Course location(s): Academy, Locally via Outreach

### Hazardous Materials Incident Safety Officer

This course will provide participants with information as to the role of the safety officer that is required for a hazardous materials incident under OSHA 29 CFR 1910.120. During this course students will learn the functions of the safety officer, the importance of monitoring operations of the hazardous materials operations, the need to provide information to the incident commander, and appropriate actions to be taken in order to provide for the safety of the responders and the public. With the use of scenarios, participants will fulfill the role of the safety officer at various scenes and make appropriate safety considerations.

Designed for: Incident Safety Officers at hazardous materials incidents
Course Length: 8 hours
Course number : 01-09-0034
Course Location(s): Locally via Outreach

### Hazardous Materials First Responder Operations Annual Refresher

Provides training to review and refresh the competencies covered in OSHA 1910.120 HAZWOPER for First Responder Awareness and Operations Level Responders. This course provides a review of the nine classes of materials, the use of the US DOT Emergency Response Guidebook, principles of containment, confinement, and extinguishment within the scope of the duties of a first responder at the Operations Level. This training is designed to satisfy annual refresher training requirements of OSHA for hazardous materials.

Designed for: All emergency response personnel
Course Length: 4 hours
Course number : 01-09-0074
Course Location(s): Locally via Outreach
Hazardous Materials Rapid Intervention Team (RIT)
During this course, students will identify tools and staffing requirements for RIT operations during a hazmat incident. Students will learn how to develop a rescue plan for an injured or trapped responder, move a responder up and down stairs, down through a hole, or out of a window, and lower a responder off of objects such as rail cars and cargo trucks. Students will also demonstrate various techniques to supply air to downed responders in low and no air emergencies. This course requires students to perform several practical evolutions with self-contained breathing apparatus (SCBA) and Level A PPE.
Designed for: Practicing hazardous materials technicians
Course Length: 16 hours
Prerequisite: Hazardous Materials Technician Basic or Hazardous Materials Technician Module 1 AND Hazardous Materials Technician Module 2
Course number : 01-09-0114
Course Location(s): Academy

Hazardous Materials Technician Basic Refresher
This course is intended to meet the annual refresher requirements for the Hazardous Materials Technician. Through a combination of classroom and hands-on activities, the student will demonstrate the required competencies as outlined in 29 CFR 1910.120. Topics include terminology, DOT hazard classes, identifying hazardous materials, personal protective equipment, decontamination, detection equipment, and tactical options for dealing with a hazardous materials incident.
Designed for: Practicing hazardous materials technicians
Course Length: 16 hours
Prerequisite: Hazardous Materials Technician
Course number : 01-09-0040
Course Location(s): Locally via Outreach

Cargo Truck Hazardous Materials Specialist
This is an advanced level course that will prepare Hazardous Materials Technicians to meet the competencies set forth in NFPA Standard 472 Chapter 13. The topics covered in handling cargo truck emergencies are extremely hazardous and employ highly skilled operations. Competencies covered include overviews of specification cargo trailers; damage assessment; leak mitigation; product removal techniques, (including flaring and transfers); and up righting overturned trailers. Responders will gain hands on experience with several trailer types, including gasoline, corrosive, propane and cryogenic trailers; and the tools/ techniques necessary to plan and implement a response. The majority of the class is outside practical evolutions.
Designed for: Hazardous Materials Technicians
Course length: 24 hours
Prerequisite: Fire Fighter II and Hazardous Materials Technician
Signed Training Authorization Letter required
Course number : 01-09-0082
Course location(s): Academy
PPE required: Full structural turnout gear, SCBA with spare cylinder, plus work clothes to include steel toed shoes, leather work gloves, eye protection and head protection.

Chemical Suicide: Information for First Responder
Every year dozens of people in the United States commit suicide using various types of hazardous materials, and too often first responders become exposed to these chemicals. This course is designed to give all first responders the skill set necessary to identify a suicide involving hazardous materials, safely approach the incident using appropriate personal protective equipment, and manage the scene successfully.
Designed for: All first response personnel
Course length: 2 hours
Course number: 01-09-0080
Course location(s): Locally via Outreach

Decontamination
Trains firefighters and emergency services personnel to fully understand and perform decontamination of people and equipment at the scene of a hazardous materials release. Proper protection as well as procedures for emergency and formal decontamination are covered.
Designed for: All emergency response personnel who may be required to perform decontamination.
Course Length: 4 hours
Course number : 01-09-0009
Course Location(s): Locally via Outreach

Decon Trailer Equipment Training
Some counties in New York State opted to receive a decontamination trailer instead of, or in addition to, the level A WMD trailers. This class is classroom and hands-on, utilizing the equipment supplied by the WMD Task Force.
Designed for: Responders assigned to a decontamination duties
Course length: 4 hours
Course number : 01-09-0008
Course Location(s): Locally via Outreach
Live Fire Class B Foam Operations
This course provides practical training for mitigating spills and fires involving crude oil, ethanol and other ignitable liquids. Topics covered include: overview of common ignitable liquids; use of class B foam, with emphasis on alcohol resistant foam concentrates; foam nozzles and proportioning equipment; and determining foam needs for various scenarios. There are also hands on practical activities involving vapor suppression with finished foam, confining spills, and live fire extinguishment. During live fire evolutions, foam handlines will be set up and employed for a leaking and burning tank truck. Full structural turnout gear, SCBA with spare cylinder, and a signed Training Authorization Letter are required for this course for all students.
Designed for: All emergency response personnel
Course Length: 16 hours
Course number: 01-09-0022
Course Location(s): Academy, Locally via Outreach

Flammable Gas Emergency Response Workshop
Develops skills needed to respond and successfully control propane and natural gas incidents. Industry representatives participate and share their ability to serve as a fire department resource. Includes classroom discussion of the properties of propane and natural gas, production and distribution, planning for and responding to fires or other incidents involving these gases. Students will participate in several live fire evolutions as a member of a fire attack team. Students are required to bring approved turn-out gear and SCBA.
Designed for: All firefighters and fire officers
Course Length: 12 hours
Prerequisite: Signed Training Authorization Letter
Materials Fee: $25
Course number: 01-09-0023
Course Location(s): Academy

Hazardous Materials for the Code Official
Under the Fire Code of New York State, local officials have a significant responsibility and the authority to ensure proper storage and handling of hazardous materials. Training includes the principles of hazardous materials identification, identification of the nine classes and appropriate divisions applied to hazardous materials, and proper storage. Also includes separating incompatible materials, marking facilities storing hazardous materials, and the code’s responsibility in the hazardous materials reporting requirements. OSHA 1910.120 training requirements for Hazardous Materials First Responder Awareness Level are included.
Designed for: All emergency response personnel with code enforcement responsibility
Course Length: 6 hours
Course number: 01-09-0073
Course Location(s): Academy, Locally via Outreach

High Hazard Flammable Train Incidents
This course will prepare students to respond to incidents involving High Hazard Flammable Train (HHFT), which transport a single ignitable liquid product such as crude oil or ethanol. Topics covered will include strategic (offensive vs. defensive) and tactical decision making, tank car recognition, water supply, Class B foam operations and the effective use of cooling streams. As the majority of the course will consist of outside skills evolutions, some including live fire, it is a physically demanding course and students must be prepared to work in the various environmental conditions appropriate for the season in which the course is being conducted.
Designed for: Fire service personnel
Course Length: 16 hours
Prerequisite: Firefighter I or equivalent and SCBA medical clearance. Signed Training Authorization Letter required
Materials Fee: $45
Course number: 01-09-0113
Course Location(s): Academy

Personal Protective Equipment for the Hazardous Materials Operations Level Responder
This course is designed for Operations level responders that may be required to participate in activities requiring the use of chemical protective clothing. It incorporates both classroom presentation and hands on training. Focus is on selection of proper PPE, safety, proper donning/doffing techniques and dexterity.
Designed for: Hazardous Materials First Responder Operations level personnel
Course length: 4 hours
Prerequisite: Hazardous Materials First Responder Operations
Signed Training Authorization Letter required
Course number: 01-09-0081
Course location(s): Academy, Locally via Outreach

First Receiver Decontamination
Trains hospital personnel to fully understand and perform decontamination of victims of hazardous materials or weapons of mass destruction incidents. Proper levels of protection as well as procedures for formal, emergency, and mass decontamination are covered.
Designed for: Hospital personnel
Course Length: 8 hours
Course number: 01-09-0075
Course Location(s): Locally via Outreach

Flammable and Combustible Liquid Emergencies
Develops skills needed to respond to flammable liquid releases in both fire and non-fire situations. Includes familiarization with flammable liquids and their hazards, normal transportation and storage containers, and firefighting foams and their applications.
Designed for: All emergency response personnel
Recognizing Clandestine Drug Lab Operations
Clandestine drug labs can be found in a variety of places, from a residence to a hotel room to a vehicle. They can manufacture a number of substances including methamphetamine, MDMA (ecstasy), or even steroids. The processes involved frequently utilize flammable liquids, corrosives, toxic gases, and water reactive materials. This course provides responders with the skills to recognize a potential clandestine lab situation and take the appropriate course of action. The course focuses heavily on methamphetamine production, especially the “one pot” method currently on the increase in New York State, and deals with proper procedures for recognition, isolation, reporting, and dealing with victims and the “cooks” themselves.

Designed for: All first response personnel
Course length: 3 hours
Course number: 01-09-0053
Course Location(s): Locally via Outreach

Respiratory Protection Program
This course is designed for the agency’s respiratory protection program administrator as defined in 29 CFR 1910.134 OSHA Respiratory Protection Standard. Curriculum content outlines the requirements of the Respiratory Protection Program standard for emergency escape de-vices, air purifying respirators (negative pressure) and self-contained breathing apparatus (positive pressure). In addition, training is provided on the procedures and equipment to conduct a quantitative fit test.

Designed for: Response agency respiratory protection program administrators
Course Length: 6 hours
Course number: 01-09-0054
Course Location(s): Locally via Outreach

Sampling Techniques for the Hazardous Materials Technician
Prepares hazardous materials technicians to effectively collect and submit samples according to local and state protocols. This course will train technicians to collect samples that are suitable for laboratory analysis.

Designed for: Hazardous Materials Technician
Course length: 4 hours
Prerequisite: Hazardous Materials Technician
Course number: 01-09-0078
Course Location(s): Locally via Outreach

Advanced Sampling Techniques for the Hazmat Technician
This advanced level course will show Hazardous Materials Technicians how to obtain solid, liquid, and gas samples for laboratory analysis from a variety of potential situations while operating in PPE. Competencies covered include techniques for sampling unity and multiphasic liquids, drums and totes, underground tanks, transport and storage trucks, railcars, ponds, rivers, soil and the air.

Designed for: Practicing hazardous materials technicians
Course Length: 24 hours
Prerequisite: Hazardous Materials Technician
Materials Fee: $25.00
Course # 89
Note: This course is academy or locally based only and has a very limited course offering due to equipment and trainer requirements.

Computer-Aided Management of Emergency Operations (CAMEO)
Offers hands-on training using computers to assist in hazardous chemical emergencies. The CAMEO program contains response information and recommendations for thousands of commonly transported chemicals, an air dispersion model to assist in evaluating release scenarios and evacuation options. CAMEO includes several easily adaptable databases and programs that will assist responders to plan for, and respond to, incidents involving chemicals used in their communities.

Designed for: Emergency planners, personnel with hazardous materials responsibilities
Course Length: 36 hours
Course number: 01-09-0007
Course Location(s): Academy

Hazardous Materials Seminar
Each year the Hazardous Materials Seminar brings New York’s Haz Mat Responders together to participate in a weekend of learning. Speakers from across the country deliver presentations on current topics of interest as well as the newest developments in the field. Attendees have opportunities to network with their peers, exchanging information and experiences. Many emergency service organizations accept attendance at this seminar as fulfillment of the annual recertification for Haz Mat Operations or Technician level training required by OSHA 1919.120.

Designed for: All emergency response personnel
Course Length: 16 hours
Materials Fee: $5
Course number: 01-09-0036
Course Location(s): Academy

HEALTH AND SAFETY

Fire Police
Trains fire police to perform their duties more effectively. It includes defining and interpreting terms, oath of office, relation to regular police officers, general duties, maintaining safe conditions at an emergency, traffic direction and control, pre-planning, and various laws of interest to the fire service. Under the provision of General Municipal Law, Section 209-c, this course, when approved by OFPC, must be completed by every fire police officer who was appointed after September 1, 1980.

Designed for: Fire service personnel designated as fire police
Course Length: 21 hours
Course number: 01-15-0002
Course Location(s): Locally via Outreach

Health and Safety Officer (NFA)
Addresses the health and safety officer’s role in identifying, evaluating, and implementing policy and procedures that affect health and safety aspects for emergency responders. Risk analysis, wellness issues, and other occupational safety issues are discussed.

Designed for: Health and safety officers and chief officers
Course Length: 14 hours
Course number: 01-15-0005
Course Location(s): Academy
Highway Safety for Emergency Responders
Students completing this course will have an awareness of the serious nature of highway crash scenes and the hazards associated with them. Students will have an understanding of the four phases of traffic control that take place in the first hour. They will also possess the ability to select and place the appropriate traffic control devices for various crash sites. Other topics covered are: stopping sight distance requirements for vehicles across a broad range of speeds, how to establish various traffic control zones, where to stand and how to direct traffic. 
Designed for: All emergency response personnel 
Course Length: 15 hours 
Course number: 01-15-0006 
Course Location(s): Academy, Locally via Outreach

Incident Safety Officer (NFA)
Examines the safety officer’s role at emergency response situations. It focuses specifically on operations as a safety officer within the incident command system. 
Designed for: Fire department safety officers 
Prerequisite: Firefighter I 
Course Length: 14 hours 
Course number: 01-15-0007 
Course Location(s): Academy, Locally via Outreach

On-Scene Rehabilitation for Emergency Operations
This course explains the why, when and how of rehabilitation for emergency responders (firefighters, hazardous materials, EMS, technical rescue, ice and water rescue, etc.). The course shows how and when to meet the requirements of National Fire Protection Association (NFPA) 1500 Fire Department Occupational Safety and Health Chapter 6-6, NFPA 1561 Emergency Services Incident Management System Chapters 2-8 and 9. 
Designed for: Incident commanders, safety officers and emergency service personnel 
Course Length: 12 hours 
Course number: 01-15-0008 
Course Location(s): Academy

PUBLIC SAFETY DISPATCHER TRAINING

Public Safety Dispatcher I (APCO)
This program is designed to address the basic functional areas needed for a student to become a Public Safety Dispatcher. This course will address the following topic areas: Telephone, radio and other industry related technologies, call-taking skills, call classification and radio dispatching. The training will also discuss stress management and liability issues related to the dispatch profession. This class will follow the APCO Public Safety Telecommunicator I curriculum. 
Designed for: All emergency service personnel 
Course Length: 40 hours 
Course number: 01-05-0049 
Course Location(s): Academy 
Required Text: APCO PST1 Student Manual. The student is responsible to obtain a copy of the text prior to class. Instructions for ordering the text will be sent when course registration is confirmed by OFPC. Allow three weeks for delivery from APCO.

Public Safety Dispatcher II
This curriculum serves to provide further education for the modern day Public Safety Dispatcher. This course will focus on current trending issues in the industry and includes the following topics: Domestic violence, handling different types of callers as well as managing the mass-casualty incident (eg. Active shooting). Also included is managing fireground communication including MAYDAY situations. A discussion of legal responsibilities and stress management for the seasoned dispatcher will also be included. Perfect for in-service training credit! 
Designed for: Active public safety dispatchers 
Course Length: 40 hours 
Prerequisite: Experience as a public safety dispatcher 
Course number: 01-05-0060 
Course Location(s): Academy

Communication Center Supervisor (APCO)
This course is designed for current or prospective 911 and Communication Center Supervisors. Topics include: The Communications Supervisor Role, Liability Issues, Policies and Procedures, Communication Skills and Employee Evaluation and Motivation. Class will use practical and group exercises to supplement class lectures. This course will follow the APCO Communication Center Supervisor 4th Edition Text. Students are encouraged to bring a copy of their policies and procedures manuals. 
Designed for: Students who are currently communications supervisors, or under consideration for supervisory positions. 
Pre-requisites: Students should be experienced in communications center operations and have a working knowledge of the associated policies and procedures. 
Required Text: APCO Communication Center Supervisor 4th Edition. Text is the responsibility of the student to acquire. Instructions for ordering text will be sent along with registration confirmation. Allow (3) weeks for delivery from APCO. 
Course Length: 24 hours 
Course Number: 01-05-0052 
Course Location(s): Academy

TECHNICAL RESCUE

All technical rescue courses are based on objectives from National Fire Protection Association (NFPA) 1006 – Rescue Technician Professional Qualifications and 1670 – Standard on Operations and Training for Technical Rescue Incidents. 

Accident Victim Extrication Training
Provides hands-on training in motor vehicle rescue and extrication techniques while stressing the need for scene safety and vehicle stabilization. It includes rescue theory, rescue life cycle, new technology in automotive design and rescue tools and their uses. 
Designed for: All emergency response personnel 
Course Length: 16 hours
Prerequisites: Firefighter I; Basic Firefighter; or Firefighting Essentials, or BEFO (formerly known as Scene Support Operations), or basic level EMS training.

Materials Fee: $60

Course number: 01-04-0001

Course Location(s): Academy, Locally via Outreach

Alternative Fueled Vehicles and New Vehicle Technology
Provides information about the hazards of the alternate fuels, such as methanol, compressed natural gas, and electric power, the pressures created within fuel cylinders, as well as safety information on other hazards that may be present at incidents involving an alternative fueled vehicle. The second portion of the program deals with the changing technology of the automobile. Intended to provide new information for those students who may have completed Accident Victim Extrication Training (AVET) in the past and have a need to update information about changes to the newer vehicles.

Designed for: All emergency response personnel

Course Length: 4 hours

Course number: 01-04-0006

Course Location(s): Locally via Outreach

Amtrak Passenger Train Emergency Response Procedures
This course is presented by Amtrak. Content includes familiarization with railroad systems, equipment, and operational procedures; operation of access and egress devices, as well as emergency operation of the equipment; power systems including locomotives, electric powered equipment; firefighting/search and rescue procedures for rail cars (this includes a practical application from a smoke filled railcar); and victim removal from rail cars using various rescue procedures.

All students wishing to participate in the hands-on portion dealing with search and rescue of rail cars, along with victim removal techniques, are required to bring firefighting OSHA compliant protective equipment, self-contained breathing apparatus (SCBA), and one spare air bottle.

Designed for: All emergency response personnel

Course Length: 8 hours

Prerequisite: Firefighter I; Basic Firefighter; or Firefighting Essentials, and students must be physically capable of wearing SCBA and possess current medical clearance for SCBA use. Students not possessing this prerequisite will not be allowed to participate for their own safety. A completed Training Authorization Letter will meet this requirement.

Course number: 01-04-0064

Course Location(s): Locally via Outreach

Basic Structural Collapse Operations
Provides specialized training in the realm of building collapse rescue, a threat in every community. Content will include warning signs, collapse causes, void identification, safety precautions, search techniques, team operations, building construction awareness, and initial fire department operations. Several case studies will be discussed and a table top exercise is included. A test will be given at the end of the class.

Designed for: All emergency response personnel

Course length: 8 hours

Course number: 01-04-0007

Course Location(s): Academy, Locally via Outreach

Concrete Breaching and Breaking
The purpose of this course is to provide the student the basic principles on the safe and effective operations of penetrating concrete debris and damaged slabs or walls to safely extricate trapped victims.

The student shall learn the safe and proper techniques to breach, break, cut and burn to gain access through concrete, steel or other structural components during rescue operations in heavy floor, heavy wall, steel and concrete structures. The student will also learn to identify the different types of concrete construction as well as the safety hazards that present themselves to the rescuer at every collapse situation. Students will be able to rapidly identify pre and post tensioned concrete and the specific dangers each represents in a given collapse situation.

Designed for: All emergency response personnel

Course length: 16 hours


Course number: 01-04-0011

Course Location(s): Academy, Locally via Outreach

Confined Space Awareness and Safety
Provides identification and awareness information to allow students to make reasonable judgments in confined-space rescue situations. It includes topics such as regulations, response planning, hazard types, personal protective equipment, retrieval equipment, and air quality. Case histories and student exercises provide opportunities to practice planning skills for confined space rescue response, as well as evaluate past incidents.

Designed for: All emergency response personnel

Course Length: 6 hours

Course number: 01-04-0014

Course Location(s): Academy, Locally via Outreach

Confined Space Rescue - Technician Level
This course provides practical training in confined-space hazards; air monitoring and ventilation; space isolation techniques; personal protective equipment, including both supplied air, self-contained breathing apparatus (SCBA), and respirators; and retrieval systems and retrieval methods. Practical evolutions enable the student to evaluate a specific confined-space incident and perform the necessary procedures to safely and effectively rescue the victim.

Designed for: All emergency response personnel with responsibilities in confined-space rescue.
Medium Level Structural Collapse Concepts

This classroom program is designed to provide the background knowledge necessary to perform rescue operations at a structural collapse incident. The course includes instruction on: structural construction considerations such as types of construction, construction techniques, terminology and mechanism of collapse based on structure type; detailed concepts of structural shoring systems; void search and rescue operations in structural collapse incidents; structural collapse team organization and operations concepts.

Course Length: 12 hours
Prerequisite: Basic Structural Collapse Operations
Course number: 01-04-0040
Course Location(s): Academy, Locally via Outreach

Medium Structural Collapse Operations: Exterior Shoring

This two-day program will thoroughly familiarize the student with the exterior shoring techniques needed to safely construct all the types of exterior shoring techniques generally utilized to conduct safe rescue operations. This is an intensive hands-on course and the students will be tested on the proper construction of the various shores.

Course Length: 16 hours
Prerequisites: Rescue Technician - Basic, Basic Structural Collapse Operations, Medium Structural Collapse Operations: Exterior Shoring
Course number: 01-04-0058
Course Location(s): Academy, Locally via Outreach

Medium Structural Collapse Operations: Tools

This two-day program will familiarize the student with the tools used in structural and excavation collapse related incidents. This is an intensive hands-on course and the students will be evaluated on the proper use of the tools provided.

Course Length: 16 hours
Prerequisite: Basic Structural Collapse Operations or Basic Trench Collapse Concepts or Trench Rescue: Awareness Level
Materials Fee: $45
Course number: 01-04-0057
Course Location(s): Academy, Locally via Outreach
techniques, safety operations, and size up. Simulated rescue scenarios will be conducted with students required to safely extricate victims from void spaces.

**Designed for:** Emergency response personnel with responsibility in structural collapse operations

**Course Length:** 16 hours


**Materials Fee:** $45

**Course number:** 01-04-0060

**Course Location(s):** Academy, Locally via Outreach

### Passenger Train Emergency Rescue Procedures

Partnership between Metro North Railroad and OFPC. Content includes: railroad systems, equipment and procedures; normal and emergency operation of equipment; power systems including locomotives, electric equipment and third rail precautions; search and rescue procedures (practical with smoke); victim removal. OSHA compliant protective equipment, SCBA and one spare bottle are required.

**Designed for:** All emergency response personnel

**Course Length:** 8 hours

**Prerequisite:** Firefighter I; Basic Firefighter; or Firefighting Essentials, and students must be physically capable of wearing SCBA and possess current medical clearance for SCBA use. Students not possessing this prerequisite will not be allowed to participate for their own safety. A completed Training Authorization Letter will meet this requirement.

**Course number:** 01-04-0027

### Rope Rescue - Operations Level

Provides information and skills to adequately perform basic vertical rope rescue techniques in an urban/suburban environment. While many of the techniques and skills taught in this program are applicable to the wilderness environment, this is not the intent of this program. The overall objective is to improve rescuer awareness of the safety concerns at rope rescue situations and to develop basic skills in rappelling and high-angle rescue systems. Topics include safety orientation, risk assessment, equipment, basic rappelling and ascending, anchoring, belaying, mechanical advantage, patient packaging, incident management, skills evaluation, and testing.

**Designed for:** Emergency response personnel with responsibility in rope rescue

**Course Length:** 32 hours

**Prerequisite:** Rescue Technician - Basic or equivalent

**Course number:** 01-04-0035

**Course Location(s):** Academy, Locally via Outreach

### Dive Refresher

Provides information and skills to perform advanced vertical rope rescue techniques in an urban/suburban environment. The overall objective is to improve rescuer awareness of the safety concerns at rope rescue situations and to develop advanced skills in high angle rescue techniques and systems. Topics include ascending, pickoffs, knot passing, team operations, advanced litter packaging, rigging and lowering as well as horizontal and high/low tensioned systems. This program also includes written testing as well as skills evaluation.

**Designed for:** Emergency response personnel with responsibility in rope rescue

**Course Length:** 32 hours

**Prerequisite:** Rope Rescue - Operations Level

**Course number:** 01-04-0036

**Course Location(s):** Academy, Locally via Outreach

### Rope Rescue - Technician Level I

Provides information and skills to perform advanced vertical rope rescue techniques in an urban/suburban environment. The overall objective is to improve rescuer awareness of the safety concerns at rope rescue situations and to develop advanced skills in high angle rescue techniques and systems. Topics include ascending, pickoffs, knot passing, team operations, advanced litter packaging, rigging and lowering as well as horizontal and high/low tensioned systems. This program also includes written testing as well as skills evaluation.

**Designed for:** Emergency response personnel with responsibility in rope rescue

**Course Length:** 32 hours

**Prerequisite:** Rope Rescue - Operations Level

**Course number:** 01-04-0036

**Course Location(s):** Academy, Locally via Outreach

### Rescue Technician - Basic

Provides a base from which to prepare students for a wide variety of possible rescue operations. This course includes an overview in areas of specialized rescue, search, technical rescue management, risks and priorities; use of ropes, knots, and rope systems in a low angle environment, and establishment of landing zones for helicopter operations. Demonstrations, practice sessions and testing are included.

**Designed for:** All emergency response personnel

**Course Length:** 24 hours

**Course number:** 01-04-0032

**Course Location(s):** Locally via Outreach

### Rescue Technician-Basic/Confined Space - Technician Level

This course combines Rescue Technician Basic, Confined Space Rescue and Confined Space Awareness into one program allowing students to complete this training in a reduced time frame.

**Designed for:** Personnel with confined space rescue responsibilities

**Course Length:** 48 hours

**Prerequisite:** Firefighter I, Basic Firefighter or Firefighting Essentials. Signed Training Authorization Letter required

**Course number:** 01-04-0034

**Course Location(s):** Academy

### Rescue Heavy Rigging

The purpose of this course is to provide the student the basic principles on the safe and effective operations of working with heavy rigging equipment and cranes used to safely extricate trapped victims in structural collapse situations.
Rope Rescue - Technician Level II
Provides additional information and skills required to perform advanced vertical and horizontal rope rescue techniques in an urban/suburban environment. The overall objective is to improve rescuer awareness of safety concerns at rope rescue situations and to develop advanced skills in high angle rescue techniques and systems. Topics include vertical low tensioned systems (offsets) and horizontal and steep tensioned systems (highlines). This program also includes written as well as skill evaluations.
Designed for: Emergency response personnel with responsibility in rope rescue
Course Length: 32 hours
Prerequisite: Rope Rescue - Technician Level I
Course number: 01-04-0037
Course Location(s): Academy, Locally via Outreach

School Bus Rescue
The School Bus Rescue Course provides advanced training to personnel in the specific hazards and problems associated with performing rescues from school buses. The program focuses on many aspects of school buses including: construction; safety systems; and extrication strategies.
Designed for: All emergency response personnel
Course Length: 4 hours
Course number: 01-04-0038
Course Location(s): Academy, Locally via Outreach

School Bus Rescue Practical Skills
This is a practical training session which allows students to apply concepts presented during the School Bus Rescue Course and begin to establish proficiency in related extrication skills. Students attending this course will be provided information relating to: tool placement and staging, anatomy of a school bus, school bus stabilization, primary entry, secondary entry, patient packaging and extrication and bus rollovers.
Designed for: All emergency response personnel
Course Length: 4 hours
Prerequisite: Bus Rescue (# O/39) or School Bus Rescue
Course number: 01-04-0039
Course Location(s): Academy, Locally via Outreach

Swift-Water/Flood - Rescue Technician
This course provides basic to advanced level swift-water/flood rescue training including self-rescue in swift-water, go rescues, boat based rescues, and rope systems for swift-water rescue. This is a hands-on training program which requires participants to spend a significant amount of time mastering water rescue skills in fast moving water. Course also includes several scenario based water rescue exercises.
Designed for: All emergency response personnel involved in water rescue emergencies
Course Length: 32 hours
Prerequisites: Rescue Technician-Basic or Rescue Operations
Course number: 01-04-0051
Course Location(s): Academy, Locally via Outreach

Trench Rescue - Awareness Level
This course will discuss problems that can and do occur in trench rescue incidents. Safety techniques, shoring techniques, proper procedures, team operations, and hazard assessment will all be discussed and explained in depth.
Designed for: All emergency response personnel
Course Length: 8 hours
Course number: 01-04-0008
Course Location(s): Academy, Locally via Outreach

Trench Rescue - Operations Level
This two-day program consists of intense hands-on training in the field of trench rescue. The students will be taught several ways to shore trenches, the different types of extrication techniques, proper rescue site management, as well as the proper safety concepts needed to complete a safe and successful rescue. There will be live exercises in which the students will actually extricate a trapped victim from an open trench scenario.
Designed for: Emergency response personnel with responsibility in trench collapse operations
Course Length: 16 hours
Prerequisites: Rescue Technician - Basic, Medium Structural Collapse Operations: Tools and Trench Rescue - Awareness Level
Materials Fee: $45
Course number: 01-04-0042
Course Location(s): Academy, Locally via Outreach

Trench Rescue - Technician Level
Designed to increase the skills learned in the basic trench rescue class. Rescue operations in intersecting, L-shaped, and deep trenches will be covered. Advanced trench rescue shoring techniques and concepts will also be shown.
Designed for: Emergency response personnel with responsibility in trench collapse operations
Course Length: 16 hours
Prerequisites: Rescue Technician - Basic, Medium Structural Collapse Operations: Tools and Trench Rescue - Awareness Level
Materials Fee: $45
Course number: 01-04-0043
Course Location(s): Academy, Locally via Outreach

Water Rescue - Awareness Level
This course provides an overview of water safety and rescue issues including: hazard assessment, responder safety, risk management, hypothermia, near-drowning, basic water search techniques, basic shore-based rescue techniques, incident management issues, and water rescue equipment.
Designed for: All emergency response personnel
Course Length: 4 hours
Course number: 01-04-0052
Course Location(s): Academy, Locally via Outreach
Swift Water Rescue Operations
This course is designed to introduce firefighters and EMS personnel to water rescue at the operations (shore based) level of response. The course contains information on: hazards, medical considerations, incident management, on self-rescue, PPE and rescue techniques. Practical training is also provided in self-rescue and shore based rescue skills.
**Designed for:** All emergency response personnel involved in water rescue emergencies
**Course Length:** 24 hours
**Course number:** 01-04-0053
**Course Location(s):** Academy, Locally via Outreach

### SPECIAL PROGRAMS

**County Fire Coordinator Conference**
Includes orientation and training for new or recently appointed personnel as well as basic staff and command training for those with county-level fire service responsibility.
**Materials Fee:** $5
**Course number:** 01-14-0005
**Course Location(s):** Academy

**County Weekend**
Several weekends are reserved each year for county weekends. A guaranteed enrollment of 150 is required for an exclusive weekend.
**Designed for:** All emergency response personnel
**Course Length:** 12 hours
**Materials Fee:** $5
**Course Location(s):** Academy

**FASNY EMS Conference**
This is a two-day seminar conducted by the Emergency Medical Service (EMS) Committee of the Firemen's Association of the State of New York (FASNY).
**Designed for:** All emergency response personnel interested in emergency medical training
**Course Length:** 14 hours
**Materials Fee:** $5
**Course Location(s):** Academy

**Fire Service Explorer Weekend**
Fire Service Explorer Weekends allow members of participating Explorer Posts to gain practical experience in the field of firefighting and emergency medical service. The 12-hour program includes activities and instruction on fire and EMS topics, including fire prevention, personal protective equipment, hose and ladder evolutions, search and rescue, firefighter survival, basic rescue skills, accident victim extrication and spinal immobilization. First-time participants focus on basic skills, with more advanced skills being taught each year that the candidate returns. Participants must submit medical clearance, medical history and parental permission forms with their registration.
**Designed for:** Fire department Explorer Scouts
**Course Length:** 12 hours
**Course number:** 01-14-0011
**Course Location(s):** Academy

**Instructor Authorization Conference**
Involves annual authorization of state fire instructors (SFI), municipal training officers (MTO), municipal fire instructors (MFI), and county fire instructors (CFI).
**Materials Fee:** $5
**Course number:** 01-14-0015
**Course Location(s):** Academy

**Fire Service Women of New York State Training Conference**
This annual training conference brings together career and volunteer women firefighters from throughout New York State and beyond. Each year a variety of workshops and classes are offered to the attendees. This training conference is co-sponsored by the New York State Office of Fire Prevention and Control and Fire Service Women of New York State, Inc.
**Designed for:** Female fire service personnel
**Materials Fee:** $5
**Course number:** 01-14-0012
**Course Location(s):** Academy

**Regional Fire Administrator Conference**
The annual meeting and in-service training of Regional Fire Administrators appointed to coordinate the New York State Fire Mobilization and Mutual Aid Plan.
**Materials Fee:** $5
**Course number:** 01-14-0034
**Course Location(s):** Academy

**Technical Rescue Conference**
The conference is open to all responders and includes lectures and practical skill sessions in a variety of subjects including rope, confined space, structural collapse, water, vehicle, machinery and trench rescue as well as incident & team management training.
**Materials Fee:** $5
**Course number:** 01-04-0071
**Course Location(s):** Academy

**Volunteer Fire Police Association Conference**
This is a one-day conference conducted by the Fire Police Committee of the Volunteer Fire Police Association of the State of New York.
**Designed for:** Fire service personnel designated as fire police
**Course Length:** 8 hours
**Materials Fee:** $5
**Course number:** 01-14-0022
**Course Location(s):** Academy
FEES AND REGISTRATION
INSTRUCTIONS

REGISTRATION FORMS
Academy courses require written pre-registration via mail or fax to the Academy using the approved form. Telephone reservations are not accepted. If you require additional forms, download at www.dhsses.ny.gov/ofpc or call the Academy. Contact your County Fire Coordinator or Municipal Training Officer for Outreach Program registration protocol.

COURSE REGISTRATION FEE - NONREFUNDABLE
Outreach Program: no fee
Academy:
  NYS Residents - $25; Out-of-State - $50
  Payable in advance with registration form

MATERIALS FEE
See course descriptions.
Materials fee may be paid upon arrival.
Required text books are not included in materials fee and must be purchased separately. Refer to course description and/or confirmation.

ACCOMMODATION FEE
Academy Resident: $40/day includes lodging and all meals
Academy Commuter: $8/day includes breakfast and lunch
Resident fee shown on course schedule has been adjusted for Sunday night arrivals or Friday afternoon departures (no dinner).
Commuter fee shown on course schedule has been adjusted for 1pm start times (no breakfast). Commuters are invited to purchase dinner meal tickets (by 11am) at $9/day if program requires mandatory evening sessions.
Bagged lunches are available upon request for off campus courses or departing students.
Outreach Program: Student responsibility

PAYMENT METHOD
Fees may be paid by check, money order, or PO/Voucher payable to “Academy of Fire Science.” If MasterCard or VISA is being used, the registration form must include a credit card number, expiration date and signature.
Registration fee must accompany the registration form.

PREREQUISITE COURSES
Proof of completion is required for residential courses at the Academy.

ACCEPTANCE
Students receive written notification of acceptance. This notification also details mandatory registration and accommodation fees as well as any associated course material fee referenced in course descriptions.