



June 3-8, 2013
SUBMIT APPLICATION BY May 24, 2013

2013 June Fire School

Department of Emergency Services and Public Protection
Commission on Fire Prevention and Control
Connecticut Fire Academy
34 Perimeter Road
Windsor Locks, CT 06096-1069



**Non-Profit
Organization
U.S. Postage
Permit No. 2621
Hartford, CT 06101**

2013 June Fire School

Welcome to our 2013 June Fire School Course Catalog

Our staff and over 200 adjunct instructors eagerly await the opportunity of sharing lessons and life experiences within a rapidly changing world. From your participation, new knowledge, skills and abilities may be acquired, or reapplied in a more effectual manner.

We have over 50 different deliveries for students. Some new classes are: DEEP – What First Responders Need to Know, Driver Training Simulator, and Hyperbaric Chamber Emergency Response Procedures. With over 20 Hyperbaric Chambers in Connecticut, you probably have one near you. Hartford Hospital is the location of this familiarization with a specialty life saving device. Our Rapid Intervention and Safety & Survival program has been revised into Fireground Survival, a three-day class that will offer students a mix of both survival and rapid intervention techniques.

No matter what subject you choose, I am confident that you will enjoy your experience at the Connecticut Fire Academy. Please join us for an action packed week in June.

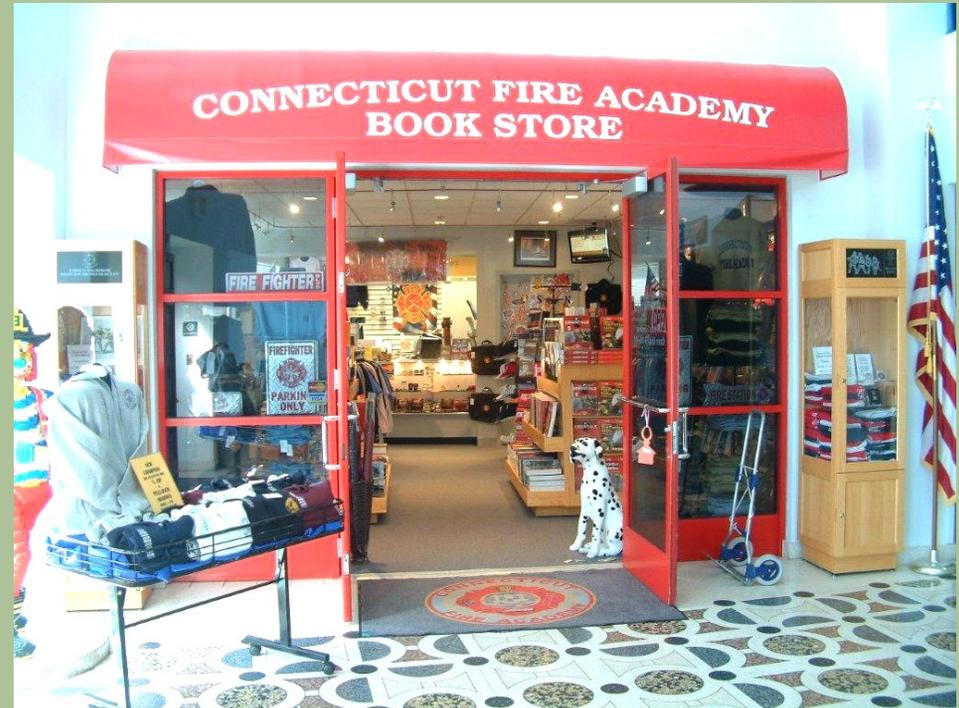
To Your Personal Success,

ADAM D. PISKURA

Adam D. Piskura, Director
Connecticut Fire Academy

Connecticut Fire Academy Book Store

A service to the firefighting community



The Connecticut Fire Academy Book Store boasts an impressive selection of affordably priced books and study guides for firefighters. We're also proud of our knowledgeable staff that's on duty to help you with your purchases. Now that you're all fired up, call or stop by and step on it!

Directions to the Connecticut Fire Academy
34 Perimeter Road Windsor Locks, CT 06096-1069

Main Phone Number (860)-627-6363 In-State Toll-Free 1-877-528-3473

I-91 North or South to exit 40 (Route 20, Bradley Connector). Follow Route 20 West 1.7 miles to the exit for Route 75. take a right off the exit onto Route 75 North and follow 2.5 miles. Take a left onto Perimeter Road (see sign for the CT Fire Academy and the New England Air Museum). Continued 1.4 miles to the Academy, which will be on your right. Parking is available at the rear of the building.

TABLE OF CONTENTS

PAGE

Autism Awareness for First Responders	3
Basic Pump Operations	3
Basic Hydraulics	4
Building Construction- Materials, Components, Stress & Loads	4
Building Construction – A Firefighter’s Perspective of the 5 Types	4
Coordinated Fire Attack: Dwelling Fire Engine Co. Tactics.....	5
Coordinated Fire Attack: Dwelling Fires Ladder Co. Tactics	5
Crew Resource Management-From the Flight Deck to the Fire House.....	6
DEEP-What First Responders Need to Know New	6
Developing a Fire Department Wellness and Fitness Program	6
Developing an Honor Guard and Basic Commands	7
Driver Training Simulator New	7
Engine Company Operations Advancing Handlines.....	8
Everyone Goes Home.....	8
EVOC- Vehicle Operation and Apparatus Safety.....	9
EVOC- Vehicle Operation and Apparatus Safety for EMS.....	9
EVOC Vehicle Operation and Apparatus Safety Officer’s Role in Driver Safety.....	10
Federal Bureau of Investigation and the First Responder -WMD.....	10
Federal Bureau of Investigation and the First Responder: Active Shooter Incidents New	10
Fireground Survival New	11
Fire Officer Potpourri	11
Fire Service Instructor III-Instructional Leadership	15
Flashover Survival.....	15
Forcible Entry.....	16
Hazardous Materials Awareness/Operations T-t-T.....	16
Hazardous Materials: Incident Commander New	17
Holmatro Rescue Equipment Featuring New Vehicle Technology.....	17
How to Deploy Fire Department Staff New	17
Hurst Extrication Equipment.....	18
Hyperbaric Chamber- Emergency Response Procedures New	18
ICS- Command and General Staff	18
Initial Actions of First Arriving Company Officer	19
Introduction to Member Involved Safety Investigations.....	19
K-9 Accelerant Detection.....	20
Moderating Incident Critiques New	20
Oral Interview – Entry Level Firefighter Techniques.....	20
Oral Interview – Mastering the Promotional Interview.....	21
Pre-Incident Planning	21
Rehabilitation and Medical Monitoring – NFPA 1584	21
SCBA – The Nuts, Bolts and Use for Experienced Firefighters	22
Scott Air-Pack Field Maintenance 2.2 – 4.5.....	22
Seminar Series: Photovoltaic PV Safety for Firefighters	22
Smoke Signals: Enhancing Tactical Decision Based on Products of Combustion.....	23
Sprinkler and Fire Protection Systems	23
Station Evaluator Training.....	23
Standpipe Operations.....	24
Truck Work: From the Bottom Rung Up	24

Mon June 3	Tues June 4	Wed June 5	Thurs June 6	Fri June 7	Sat June 8
Autism Awareness for First Responders	Crew Resource Management	Basic Pump Operations	Basic Pump Operations	Basic Hydraulics	Building Construction – A Firefighter’s Perspective
Building Construction – Materials, Components, Stress & Loads	Driver Training Simulator	Coordinated Fire Attack Dwelling Fires: Engine Co.	Coordinated Fire Attack Dwelling Fires: Engine Co.	Driver Training Simulator	Driver Training Simulator
Developing a Fire Department Wellness Program	Engine Co. Operations Advancing Handlines	Coordinated Fire Attack Dwelling Fire: Ladder Co.	Coordinated Fire Attack Dwelling Fire: Ladder Co.	Developing an Honor Guard and Basic Commands	Fireground Survival
Driver Training Simulator	HazMat Awareness/ Operations T-t-T	DEEP – What First Responders Need to Know	Driver Training Simulator	Everyone Goes Home	Fire Service Instructor III-Instructional Leadership
Engine Co. Operations Advancing Handlines	ICS – Command and General Staff	Driver Training Simulator	EVOC – Vehicle Operation & Apparatus Safety	EVOC for EMS	Flashover Survival
Fire Officer Potpourri	Initial Actions of First Arriving Company Officer	Fireground Survival	Federal Bureau of Invest. – WMD/CBRNE	EVOC the Officers’ Role	HazMat Awareness/ Operations T-t-T
Flashover Survival	Pre-Incident Planning	Holmatro Rescue Equipment	Federal Bureau of Invest. Active Shooter	Fireground Survival	Hurst presented by Firematic Supply Co.
Forcible Entry	Scott Air- Pack Field Maintenance	ICS – Command and General Staff	HazMat Incident Commander	HazMat Incident Commander	Hyperbaric Chamber Emergency Response
ICS-Command and General Staff	Smoke Signals: Enhancing Tactical Decisions	Initial Actions of First Arriving Company Officer	How to Deploy Fire Dept Staff	ICS-Command and General Staff	Oral Interview-Entry Level FF Techniques
Initial Actions of First Arriving Company Officer	Station Evaluator	Introduction to Member Involved Safety	Hurst presented by Firematic Supply Co.	SCBA – Nuts, Bolts and Use	Station Evaluator
Oral Interview – Mastering the Promotional Interview	Truck Work: From the Bottom Rung Up	K-9’s – Accelerant Detection	ICS-Command and General Staff	Seminar: Photovoltaic Safety	
Pre-Incident Planning		Rehabilitation and Medical Monitoring –NFPA 1584	Moderating Incident Critiques	Standpipe Operations	
			Sprinkler and Fire Protection Systems		

AUTISM AWARENESS FOR FIRST RESPONDERS**COURSE # 13401****DATE: 6/3****TIME: 1:00-4:30****FEE: \$15**

Fire/Rescue Autism is designed to increase Autism Awareness for the First Responders. Our members have trained over 15,000 firefighters and EMT's in the United States in Autism Awareness and we have given First Responders the tools necessary to mitigate incidents that they may come across.

We are available to assist your department or organization in setting up a training cycle to present this very important topic. It is up to you to be proactive as this condition affects 1 in 88 (CDC Statistic) people today and it is growing at a rate of 10 - 15% per year.

It is not a matter of IF you will come in contact with someone from the Autism Community; it is most definitely WHEN.

Class hours: 4

BASIC PUMP OPERATIONS**COURSE # 13402****Date: 6/5-6/6****TIME: 8:30-4:30****FEE: \$90**

This course examines the components and controls used in the operation of a fire pump. The internal parts of a centrifugal fire pump are examined with the goal of having the student fully understand how the fire pump moves water. Pump panel controls are discussed in relation to the specific function and use of each device.

The movement of water from draft, tank, and pressure sources is explained in detail. Students will practice their pumping skills from tank, hydrant, and static sources.

- Full protective clothing (No SCBA) is required.
- Hearing protection is recommended
- Training Prerequisites: Certified Firefighter I; or have been a member of a Fire Department on or before July 1, 1977.
- Proof must be submitted with the application.

Class hours: 16

BASIC HYDRAULICS

COURSE # 13403	DATE: 6/7	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Participants will learn how to estimate and overcome friction loss, how to calculate theoretical pump pressure and how to apply easy-to-use "rule of thumb" principles for operation of common hand line and master stream devices. Students will develop cognitive skills for quickly estimating proper pressures and manually "prove" their work by flowing various hose lines at calculated pressures.

- Full protective clothing (No SCBA) is required.
- Hearing protection is recommended
- Training Prerequisites: Certified Firefighter I; or have been a member of a Fire Department on or before July 1, 1977. Proof must be submitted with the application.
- It is suggested that students have some Pump Operation experience or attend 'Basic Pump Operation' to enhance subject comprehension.

Class hours: 8

BUILDING CONSTRUCTION – MATERIALS, COMPONENTS, STRESS & LOADS

COURSE # 13404	DATE: 6/3	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

This program examines the various stresses impacting a building. Structural components and the types of loads imposed upon building assemblies are examined in detail. Common building material characteristics are studied with respect to the hazard created for firefighters. Composite and engineered building materials are examined. Finally, truss constructions, and inherent problems created by truss construction, are discussed. Students will develop a firefighter's understanding of the hazards created by various building materials and components.

Class hours: 8

Fire Marshal Credit: 6

BUILDING CONSTRUCTION – A FIREFIGHTER'S PERSPECTIVE OF THE 5 TYPES

COURSE # 13405	DATE: 6/8	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

This program examines the five types of construction recognized by NFPA and the Connecticut State Building Code. Building size and height are discussed as a means of properly classifying a building and appreciating hazards imposed by volume. Construction features of each building type, and sub-types, are examined as they relate to firefighting challenges. The various types of masonry walls are examined with respect to the hazards presented by wall construction schemes. Students will develop skills to properly classify buildings and understand the hazards of each 'type'.

Class hours: 8

Fire Marshal Credit: 6

COORDINATED FIRE ATTACK DWELLING FIRE: ENGINE CO. TACTICS**COURSE # 13406****DATE: 6/5-6/6****TIME: 8:30-4:30****FEE: \$150**

Understanding the vital role of the first due companies at structural fires is a major key to success on the fire ground and is a proven way to save lives. Annually, 78% of fires occur in private houses. Each year over 3000 civilians are killed in private dwelling fires and thousands more are severely injured. This 2 day course focuses on the tactics needed to effectively operate at a house fire.

Day 1 consists of various engine company skill stations. Students will rotate through stations focusing on: Nozzle & Back-up techniques, Stretching & Advancing the initial hand line, stretching the back-up line, and above & below grade fires.

Day 2 consists of live fire evolutions. Students will perform as a member of a suppression team, a search team, a V.E.S. team, and a ventilation team. The students will rotate through engine assignments and will have the opportunity to suppress live fires.

Full Protective clothing, including SCBA with one spare cylinder, is required. Students should bring a bottle of water or sport drink to re-hydrate throughout the training.

Prerequisites: Firefighter 1. Proof must be submitted with application

Class hours: 16

COORDINATED FIRE ATTACK DWELLING FIRE: LADDER CO. TACTICS**COURSE # 13407****DATE: 6/5-6/6****TIME: 8:30-4:30****FEE: \$150**

Understanding the vital role of the first due companies at structural fires is a major key to success on the fire ground and is a proven way to save lives. Annually 78% of fires occur in private houses. Each year over 3000 civilians are killed in private dwelling fires and thousands more are severely injured. This 2 day course is going to focus on the tactics needed to effectively operate at a house fire.

Day 1 consists of various truck company skill stations. Students will rotate through stations focusing on: Forcible Entry, Aggressive primary search (utilizing the T.I.C. & The Can), portable laddering, V.E.S. and Roof operations.

Day 2 consists of live fire evolutions. Students perform as a member of a suppression team, a search team, a V.E.S. team, and a ventilation team.

The students will rotate through truck assignments and will have the opportunity to operate in live fires. Students should bring a bottle of water or sport drink to re-hydrate throughout the training.

Full Protective clothing, including SCBA with one spare cylinder, is required.

Prerequisites: Firefighter 1. Proof must be submitted with application

Class hours: 16

CREW RESOURCE MANAGEMENT – FROM THE FLIGHT DECK TO THE FIRE HOUSE

COURSE # 13408	DATE: 6/4	TIME: 1:00-4:30	FEE: \$20
-----------------------	------------------	------------------------	------------------

Following several tragic and preventable airline accidents, the aviation industry sought to find a way to reduce pilot error and reduce the airliner accident rate. The resulting program drastically reduced accidents and fatalities in commercial aviation, led aviation to become one of the safest industries in the world, and came to be known as Crew Resource Management. Now CRM has come to the fire service, and with it has come the potential to improve safety for firefighters the way the use of SCBA did a generation ago.

This class, both through a review of how CRM works and case studies of selected airline accidents and firefighter Line of Duty Deaths, will introduce you to the potential of CRM and how adopting it can help you and your fire department greatly improve the level of safety in your workplace.

Class hours: 4

DEEP – WHAT FIRST RESPONDERS NEED TO KNOW WHEN MAKING THIS CALL

COURSE # 13409	DATE: 6/5	TIME: 8:30-12:00	FEE: \$15
-----------------------	------------------	-------------------------	------------------

This class for fire officers and senior firefighters will examine the roll of the fire service and the Department of Energy & Environmental Protection at emergency incidents.

The class will discuss the role that each agency has at a hazardous materials incident, how the spill contractor fits into the equation, what DEEP can offer, and what equipment is available.

Class hours: 4

DEVELOPING A FIRE DEPARTMENT WELLNESS PROGRAM

COURSE # 13410	DATE: 6/3	TIME: 1:00-4:30	FEE: \$25
-----------------------	------------------	------------------------	------------------

This half-day program provides an overview of all of the elements and challenges of developing a comprehensive fire department wellness and fitness program.

Class hours: 4

DEVELOPING AN HONOR GUARD AND BASIC COMMANDS

COURSE # 13411	DATE: 6/7	TIME: 8:30-12:00	FEE: \$20
-----------------------	------------------	-------------------------	------------------

The Connecticut Statewide Honor Guard (CTHG) is comprised of volunteer and career firefighters from across our state. These active and retired firefighters give freely of their own time to honor the fire service with a desire to see that the highest honor is paid to our fallen brothers and sisters, and to their families.

This organization has been established to bring about consistency in the planning and ceremonial activities related to fire department funeral services. The emotional impact at such times can be overwhelming. To have a resource available to use as a guide is a great relief to those involved in the planning and implementation of such an event. Program will cover Honor Guard commands and what resources are available when a department calls for aid.

Class hours: 4

DRIVER TRAINING SIMULATOR

COURSE # 13412	DATE: 6/3	TIME: 8:30-12:00	FEE: \$55
COURSE # 13413		TIME: 12:30-4:30	FEE: \$55
COURSE # 13414	DATE: 6/4	TIME: 8:30-12:00	FEE: \$55
COURSE # 13415		TIME: 12:30-4:30	FEE: \$55
COURSE # 13416	DATE: 6/5	TIME: 8:30-12:00	FEE: \$55
COURSE # 13417		TIME: 12:30-4:30	FEE: \$55
COURSE # 13418	DATE: 6/6	TIME: 8:30-12:00	FEE: \$55
COURSE # 13419		TIME: 12:30-4:30	FEE: \$55
COURSE # 13420	DATE: 6/7	TIME: 8:30-12:00	FEE: \$55
COURSE # 13421		TIME: 12:30-4:30	FEE: \$55
COURSE # 13422	DATE: 6/8	TIME: 8:30-12:00	FEE: \$55
COURSE # 13423		TIME: 12:30-4:30	FEE: \$55

This program is for all persons currently qualified as emergency vehicle operators. You already have an operator's license and drive a vehicle on a daily basis, this program provides Emergency Vehicle Operators the opportunity to learn skills related to collision avoidance, defensive driving and maintaining situational awareness while driving in the emergency mode! Using a state of the art full size fire apparatus and Medic/Staff Vehicle cab simulators, students will be coached in critical emergency vehicle operator skills and given an opportunity to hone those skills in true to life simulations.

Attendees are not taught how to drive; instead they are introduced to skills that can ensure they arrive safely at their next emergency scene. Novice and veteran EV operators can each learn critical skills in this introduction to EVO skills building program.

Class hours: 4

4 students per session

"Courtesy of Enfield Fire Department"

ENGINE COMPANY OPERATIONS ADVANCING HANDLINES

COURSE # 13424	DATE: 6/3-6/4	TIME: 8:30-4:30	FEE: \$150
-----------------------	----------------------	------------------------	-------------------

It has often been said "As the first hand line goes, so goes the fire!" This course will review initial engine company size up, hand line selection, and hand line placement. Often the fire ground has multiple hand lines in operation, but none are effectively attacking the fire. Learn how to determine the required length for a pre-connected line to reach the fire. Review how to properly deploy a hand line so it is not loaded with kinks causing reduced flow and pressure to the firefighter at the nozzle. Engine company member's duties will be discussed and teamwork will be stressed. Techniques that are applicable for departments with low staffing will be demonstrated. The training will culminate with a live Class A burn.

Full Protective clothing, including SCBA with one spare cylinder, is required. Student should bring a bottle of water or sport drink to re-hydrate throughout the trainings.

The second day will be combined with the **Initial Actions of First Arriving Company Officer** Class. Students are required to be certified Firefighter I. Proof is required with application.

Class hours: 16

EVERYONE GOES HOME

COURSE # 13425	DATE: 6/7	TIME: 1:00-4:30	FEE: \$20
-----------------------	------------------	------------------------	------------------

This course is a provocative and moving presentation by the National Fallen Firefighters Foundation, through the Everyone Goes Home(s) Program, that is designed to change the culture of accepting the loss of firefighters as a normal occurrence.

Building on the untold story of line-of-duty death survivors, it reveals how family members must live with the consequences of a firefighter death. This presentation provides a focus on the need for firefighters and officers to change fundamental attitudes and behaviors in order to prevent line of duty deaths. The central theme promotes the courage to do the right thing in order to protect yourself and other firefighters and ensure that "Everyone Goes Home" at the end of the day. Firefighters must have the courage to face a multitude of risks in order to save lives and protect their communities. Their courage allows them to willingly risk their own lives so that others can be saved. A different type of courage is required to stay safe in potentially dangerous situations, avoiding needless risks and tragic consequences.

Class hours: 4

EVOC – VEHICLE OPERATION AND APPARATUS SAFETY

COURSE # 13426	DATE: 6/6	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

EVOC defines needed qualities and discusses motivating the operators to drive safely. A module on legal issues includes definitions of legal terms such as liability, negligence and driving with “Due Regard” and how these issues arise in our daily occupational environment. All of the applicable Connecticut Statutes are reviewed as well as the current NFPA standards. The course explains vehicle dynamics and collision forces that need to be well understood by the emergency vehicle operator who is then taught several “safe driving” techniques to keep these forces in check. Additional modules include an analysis of the different types of braking systems, total stopping distances, the types of engine retarders and auxiliary braking systems and the problems these systems can cause for the emergency vehicle operator. The expansion of the “Safe Driving Technique” module includes a section on tanker operation and rollover prevention.

The course concludes with case studies of actual emergency vehicle crashes involving fire and EMS vehicles wherein emergency vehicle operators and their crews have been seriously injured, killed and/ or arrested and charged as a result of improper driving techniques.

Class hours: 8

EVOC – VEHICLE OPERATION AND APPARATUS SAFETY FOR EMS

COURSE # 13427	DATE: 6/7	TIME: 8:30-12:00	FEE: \$25
-----------------------	------------------	-------------------------	------------------

The leading cause of death for EMS personnel is ambulance crashes. The continued rising rates of ambulance and other EMS response vehicle crashes resulting in fatalities and serious injuries illustrate the fact that the emergency service community needs a basic program with regard to training drivers. This course defines the need for Emergency Vehicle Operator (EVO) training by identifying the scope of the problem. EVOC defines needed qualities and discusses motivating the operators to drive safely.

A module on legal issues includes definitions of legal terms such as liability, negligence and driving with “Due Regard” and how these issues arise in our daily occupational environment. All of the applicable Connecticut Statutes are reviewed as well as the current NFPA standards.

The course explains vehicle dynamics and collision forces that need to be well understood by the emergency vehicle operator who is then taught several “safe driving” techniques to keep these forces in check. There is also a module on fleet management and remote telemetry available to monitor driving performance.

Class hours: 4

EVOC – VEHICLE OPERATION AND APPARATUS SAFETY OFFICER’S ROLE IN DRIVER SAFETY

COURSE # 13428	DATE: 6/7	TIME: 1:00-4:30	FEE: \$25
-----------------------	------------------	------------------------	------------------

The responsibility for the safe operation of emergency vehicles does not begin or end behind the steering wheel. Emergency Vehicle Operations (EVO) is a system of interlocking areas of responsibilities that extend from the driver’s seat to the officer’s seat all the way to the Chief of Department. This course examines the role of each of these areas of responsibility from the Company Officer to the Chief of the Department.

Course topics include EVO training, standards, liability issues, vehicle inspection and maintenance, and the need to have in place applicable standard operating procedures or guidelines.

Class hours: 4

FEDERAL BUREAU OF INVESTIGATION AND THE FIRST RESPONDER: WMD

COURSE # 13429	DATE: 6/6	TIME: 8:30-12:00	FEE: \$15
-----------------------	------------------	-------------------------	------------------

The WMD 101 will deal with defining CBRNE and provide general information regarding the overall threat spectrum involving WMD.

The Improvised Chemical Device Class will provide information regarding the development and use of improvised chemical threats.

The Suspicious Package Response Class will cover the evolution of a WMD call from the first 911 call to the overall scene management, evidence collection, field testing issues, and where the FBI falls within Unified Command.

Class hours: 4

FEDERAL BUREAU OF INVESTIGATION AND THE FIRST RESPONDER: ACTIVE SHOOTER INCIDENTS

COURSE # 13430	DATE: 6/6	TIME: 1:00-4:30	FEE: \$15
-----------------------	------------------	------------------------	------------------

This course will prepare Police, Fire, EMS, emergency management, school systems and other officials with some basic tools and information needed to develop and assess a multi-agency mass shooting/critical incident response plan, using an All-Hazards approach.

The course will also discuss the need for inter-agency cooperation and planning before a critical event.

Class hours: 4

FIREGROUND SURVIVAL

COURSE # 13431 DATE: 6/5, 6/7- 6/8 TIME: 8:30-4:30 FEE: \$175

This course on firefighter survival and rapid intervention training uses scenarios based on actual incidents to identify problems encountered, and offers possible solutions for members in life threatening situations. Self-rescue procedures, such as low profile ladder egress, and personal rope bail-out procedures will give the participant options if caught in a rapidly deteriorating situation.

Using scenarios based on real-life incidents, the class identifies problems and offers possible solutions for the safe and efficient removal of members in distress. Safely removing a trapped or unconscious firefighter from a burning building is a labor intensive operation. Methods of searching for a missing firefighter in a large open area will also be covered.

Day 1: 6/5 – Classroom lecture in the morning, followed by basic skills work in the afternoon.

Days 2 and 3: 6/7-6/8 – Will be all scenarios, focusing on Firefighter Survival and RIT.

Full protective clothing, including SCBA with one spare cylinder, is required.

Training Prerequisites: Firefighter I. Proof must be submitted with the application.

Class hours: 24

FIRE OFFICER POTPOURRI - Presented by Chief John Oates

COURSE # 13432 DATE: 6/3 TIME: 8:30-4:30 FEE: \$50

1. Major Incident Management for the not so major fire department. Case based learning using a furniture warehouse as an example of the challenges faced by medium sized departments at a big fire.

2. Nimbility. The Fire Officer / Fire Chief of today need to have his/her brain in a dozen different places all the time. The things we do as junior officers and firefighters help set the table for this level of success.

3. We did it again. An updated version of a case based learning program using historical examples for fire ground mishaps and errors matched with current examples of the same behavior. Are we really getting any better?

4. Situational Curiosity. Everyone talks about the need to have good situational awareness. Nobody tells you how to get or create it. Situational Curiosity builds situational awareness. Discuss what it is, how it works, and how you create it.

Class hours: 8

FIRE SERVICE INSTRUCTOR III – INSTRUCTIONAL LEADERSHIP

COURSE # 13433	DATE: 6/8	TIME: 8:30-12:00	FEE: \$20
-----------------------	------------------	-------------------------	------------------

This course is designed to meet the third level of instructor as identified in NFPA 1041. Topics include administration, records, policies, supervising instructors, analysis, evaluation and program development.

The course is blended learning, with only one class meeting. Access to a computer with internet is mandatory to complete the course.

Training Prerequisites: Certified Fire Service Instructor II. Proof must be submitted with the application.

Class hours: 4

FLASHOVER SURVIVAL

COURSE # 13434	DATE: 6/3	TIME: 8:30- 4:30	FEE: \$100
COURSE # 13435	DATE: 6/8	TIME: 8:30- 4:30	FEE: \$100

Flashover Survival begins with a classroom presentation followed by a simulation of a pending flashover in the Connecticut Fire Academy flashover simulator. The flashover simulator offers firefighters the opportunity to observe fire behavior and the signs of an impending flashover in a controlled setting.

This training is an experience of a lifetime that could save your life. Students should bring a bottle of water or sport drink to re-hydrate throughout the training. Participants are required to bring full protective clothing, including SCBA with one spare cylinder.

Long pants are required to participate in the flashover live burns. Shorts alone are not acceptable. The Connecticut Fire Academy will not be responsible for damages to PPE.

Training Prerequisites: Certified Firefighter I; proof must be submitted with the application.

A separate flashover permission slip is required at the time of registration.

Class hours: 8

Fire Marshal Credit: 4

FORCIBLE ENTRY

COURSE # 13436	DATE: 6/3	TIME: 8:30-4:30	FEE: \$100
-----------------------	------------------	------------------------	-------------------

This dynamic program, taught by Captain Robert Morris of Rescue 1 FDNY, consists of both a classroom session and hands-on scenarios. The classroom covers the types of doors and lock hardware that the firefighter is likely to encounter, how to size up the forcible entry situation, and how best to attack the lock. Methods range from the standard method of using a set of irons to through-the-lock techniques.

After the classroom portion, all students will get their opportunity to practice forcing various locks utilizing the methods discussed in the classroom. Captain Morris has presented this program throughout the country. **Portions of this class will be held off-site from the Connecticut Fire Academy.**

Full protective clothing (No SCBA) is required.

Class hours: 8

HAZARDOUS MATERIALS AWARENESS/OPERATIONS T-t-T

COURSE # 13437	DATE: 6/4	TIME: 8:30-4:30	FEE: \$15
COURSE # 13438	DATE: 6/8	TIME: 8:30-4:30	FEE: \$15

The Train-the -Trainer will be an in depth review of the Awareness / Operations / WMD 472-2013 program. The program DVD, support documents, charts, drills, quizzes, and program flow will be reviewed and discussed.

Each student will receive a DVD with the complete Awareness / Operations / WMD program as well as a Complete Refresher Program; both programs are written to meet the NFPA requirements for certification and to exceed the OSHA 29CFR1910.120 requirements.

Class hours: 8

“Funding provided for this course by the U.S. Department of Transportation, Pipeline and Hazardous Material Safety Administration Agency Hazardous Materials Emergency Preparedness Program Grant”

HAZARDOUS MATERIALS: INCIDENT COMMANDER

COURSE: # 13439**DATE: 6/6-6/7****TIME: 8:30-4:30****FEE: \$30**

Hazardous Materials Incident Commander is based on the N.F.P.A. 472-2013; Chapter 8.

The incident commander shall be the person responsible for all incident activities, including the development of strategies and tactics and the ordering and release of resources as designated by the authority having jurisdiction.

29CFR1910.120 (q) (6) (v)

On scene incident commander. Incident commanders, who will assume control of the incident scene beyond the first responder awareness level, shall receive at least 24 hours of training equal to the first responder operations level and in addition have competency in the following areas and the employer shall so certify:

The Connecticut Fire Academy is proudly offering this "Pilot" program which will eventually be a National Certification level. Students who complete this course will be notified when the National Certification is obtained and will be notified when the written test will be available if they so choose.

Class hours: 16

"Funding provided for this course by the U.S. Department of Transportation,
Pipeline and Hazardous Material Safety Administration Agency Hazardous
Materials Emergency Preparedness Program Grant"

HOLMATRO RESCUE EQUIPMENT FEATURING NEW VEHICLE TECHNOLOGY

COURSE # 13440**DATE: 6/5****TIME: 8:30- 4:30****FEE: \$75**

This program is designed to not only provide knowledge of hydraulic rescue tools, but also to apply this knowledge in hands-on auto extrication situations. Safe operation of some of the newest equipment in use in Connecticut will be demonstrated. Instructors for this program include Holmatro representatives, service personnel, and Connecticut Fire Academy Instructors who have been trained in the use of Holmatro hydraulic rescue equipment. Topics include: facts about hydraulic rescue tools; problem solving; proper applications and safe operation. Each attendee will receive a Vehicle Extrication Techniques booklet. Full Protective clothing (No SCBA) is required.

Class hours: 8

HOW TO DEPLOY FIRE DEPARTMENT STAFF

COURSE # 13441	DATE: 6/6	TIME: 1:00-4:30	FEE: \$25
-----------------------	------------------	------------------------	------------------

Need to design a fire truck? Want to improve your department's fireground operations? Pressured by financial constraints? This class will be a directed discussion of the elements that impact "community fire suppression system design." Topics up for discussion include quints and rescue pumpers, SOP's, ISO, NFPA 1710 and 1720, accreditation, response times, station locations, and related topics. This course is an excellent "big picture" overview for the chief officer.

Class hours: 4

HURST EXTRICATION EQUIPMENT

COURSE # 13442	DATE: 6/6	TIME: 8:30-4:30	FEE: \$75
COURSE # 13443	DATE: 6/8	TIME: 8:30-4:30	FEE: \$75

This program is designed to provide knowledge in the use of the Hurst Tool and how to apply the knowledge in auto extrication situations. Safe operation of the oldest and newest equipment in Connecticut will be demonstrated. Instructors for this program include representatives from the Hurst Tool Manufacturer, repair personnel, and Connecticut Fire Academy faculty who have been trained by Hurst Emergency Products Division of the Hale Product, Inc., Group. Topics covered include facts about the tool, problem solving, field maintenance, proper applications and safe operation. This program will include both classroom information and hands-on practical skills training with vehicles. Participants are required to bring full protective clothing (No SCBA).

Class hours: 8

HYPERBARIC CHAMBER – EMERGENCY RESPONSE PROCEDURES

COURSE # 13444	DATE: 6/8	TIME: 8:30-12:30	FEE: \$50
-----------------------	------------------	-------------------------	------------------

This course will detail response procedures for fire departments when being called to a hyperbaric chamber emergency. The class will focus on the construction and design of these chambers, proper maintenance, suppression systems, and equipment. We will go over fire protection guidelines as it pertains to NFPA 99, Chapter 14. There is also a 16 minute fire video that shows test fires in a hyperbaric environment at different pressures and partial pressures of oxygen. Students will discuss the differences between Multi-place and Mono-place hyperbaric chambers and considerations regarding each when it comes to entering a facility and evacuation.

Class will be held at the Wound & Hyperbaric Center at Hartford Hospital.

Class hours: 4

Fire Marshal Credits: 4

ICS – COMMAND AND GENERAL STAFF

COURSE # 13445	DATE: 6/3-6/7	TIME: 8:30-4:30	FEE: \$100
-----------------------	----------------------	------------------------	-------------------

Through instructor-driven lecture, class participation, interactive activities, and simulations, students will demonstrate how to use the Incident Command System and the Command and General Staff functions as they affect planning and implementation of ICS. Upon completion of this course, students will hold certifications to the level of ICS 300, 400, and Command & General Staff from the National Fire Academy.

Class hours: 40

INITIAL ACTIONS OF FIRST ARRIVING COMPANY OFFICER

COURSE # 13446	DATE: 6/3-6/4	TIME: 8:30-4:30	FEE: \$150
-----------------------	----------------------	------------------------	-------------------

This course is designed for the new or perspective company officer. Students will review decision making, size-up, and giving the initial report as well as Incident Command, delegation and assignments. The training will culminate with a live Class A burn. Students will be in the position of company officer directing crews under the guidance of CFA staff. Must be a Fire Officer I – Proof required upon application.

Full Protective clothing, including SCBA with one spare cylinder, is required. Students should bring a bottle of water or sport drink to re-hydrate throughout the training.

Class hours: 16

INTRODUCTION TO MEMBER INVOLVED SAFETY INVESTIGATION

COURSE # 13447	DATE: 6/5	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

This course is designed specifically for Chief Officers and Company Officers although other students are welcome. A majority of firefighters, company officers and chief officers do not have even the most basic knowledge as to what to do in the initial time immediately following an incident when a member is either killed or seriously injured in a fire ground (or other) mishap. What the Company and / or Chief Officers do in terms of securing the scene, evidence, statements, etc. can either make or break an investigation.

This course is designed to introduce students to what tasks must be accomplished first in order to lay the groundwork for a valid investigation.

Topics include: scene preservation, what is evidence and how to preserve it, basic forensic photography, the psychology of preserving eyewitness and non-eyewitness testimony, introduction to proper interviewing techniques, scene inspection with measurements and field sketches.

Class hours: 8

Fire Marshal Credit: 4

K-9's – ACCELERANT DETECTION

COURSE # 13448	DATE: 6/5	TIME: 1:00-4:30	FEE: \$15
-----------------------	------------------	------------------------	------------------

This class is designed to familiarize the fire service community with the use of the State of Connecticut Police Accelerant K-9 for possible arson scenes.

Course includes a brief discussion on the history of K-9's and their role in police and fire incidents. An accelerant K-9 demo will be shown at the conclusion of the class.

Class hours: 4

Fire Marshal Credit: 4

MODERATING INCIDENT CRITIQUES

COURSE # 13449	DATE: 6/6	TIME: 8:30-12:00	FEE: \$25
-----------------------	------------------	-------------------------	------------------

The fire service needs to gain every possible insight from the reduced number of fires in order to improve service. This class provides a four-step process to running an effective critique. Notable incidents provide an excellent opportunity to reinforce good behavior and to examine areas where we could do better.

The critique isn't over until a list of positive steps to take is created, and each is assigned to a specific individual for follow-through.

Class hours: 4

ORAL INTERVIEW – ENTRY LEVEL FIREFIGHTER TECHNIQUES

COURSE # 13450	DATE: 6/8	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Have you ever wondered what you should wear, what to say or not say, how to act or how to succeed in an entry level oral interview? If so, this one-day course is for you. Based on information from instructors who sit on entry level oral boards on a regular basis, this course reviews how to prepare and present yourself to an oral panel.

The program provides insight on what to expect, types of questions you may be asked and tips that will allow you to present yourself in the best possible light as you interview for a career firefighter position.

Class hours: 4

ORAL INTERVIEW – MASTERING THE PROMOTIONAL INTERVIEW

COURSE # 13451	DATE: 6/3	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Have you ever wondered what you should wear, how to act or how to succeed in an oral interview? If so, this one-day course is for you. Based on information from instructors who sit on oral boards on a regular basis, this course reviews techniques on how to prepare and present yourself to an oral panel.

This course is centered on “line officer” interviews; however, the techniques of preparation also apply for entry and administration levels. The session will give the participant an opportunity to try his/her skills at a mock oral interview.

Class hours: 8

PRE-INCIDENT PLANNING

COURSE # 13452	DATE: 6/3-6/4	TIME: 8:30-4:30	FEE: \$100
-----------------------	----------------------	------------------------	-------------------

This two-day course helps firefighters in preparation for properly conducting a pre-incident plan for a proactive response to targeted buildings. The course is based on the NFPA 1620 – Standard for Pre-Incident Planning.

The students are provided with guidelines and perspectives to help them with performing a hazard risk analysis. This analysis and subsequent pre-planning can be used to enhance firefighter safety, determine resource requirements and aid in strategy and tactical decision making which influence effective incident management.

Class hours: 16

Fire Marshal Credit: 8

REHABILITATION AND MEDICAL MONITORING – NFPA 1584

COURSE # 13453	DATE: 6/5	TIME: 1:00-4:00	FEE: \$25
-----------------------	------------------	------------------------	------------------

This 3 hour comprehensive program provides the knowledge to set up and administer firefighter rehabilitation according to the 2008 NFPA 1584 standard. Firefighter rehabilitation has been identified as a critical part of managing the health and safety of firefighters and reducing line-of-duty injuries and deaths.

The program includes your own copy of the IAFC Rehabilitation workbook and the program CD (PowerPoint presentation files and instructors guidebook). You will have everything you need to return to your department and develop your own 1584 compliant rehabilitation program.

Class hours: 3

SCBA – THE NUTS, BOLTS AND USE FOR EXPERIENCED FIREFIGHTERS

COURSE # 13454	DATE: 6/7	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

This one day presentation starts with a short classroom session in the morning followed by physically intensive SCBA practical skills. Students will learn and review skills related to the NFPA standards and common SCBA inspection and uses. Participants will also practice SCBA use, air management techniques, and energy conservation in challenging practical skills applications.

Each student should have full personal protective equipment and SCBA with (1) spare cylinder. Students should also bring a large sports drink to assist with adequate hydration.

Class hours: 8

SCOTT AIR-PACK FIELD MAINTENANCE 2.2 – 4.5

COURSE # 13455	DATE: 6/4	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

This one day program is designed to acquaint your personnel with field maintenance of Scott 2.2-4.5 SCBA's. Major emphasis is placed upon student participation in a series of hands-on exercises under the supervision of a Scott Health and Safety technician. Topics will include inspecting, cleaning, disinfecting, parts replacement and trouble shooting. This class will not cover the NxG2 SCBA. Participants will be required to bring their own 2.2 – 4.5 Scott SCBA. In order for the student to perform field maintenance on their Scott SCBA, there is an extensive necessary tool list.

The complete list of the necessary hand tools will be mailed with your class confirmation prior to the date of the class. For this class it is advisable to have the general hand tools, pin punches and lightweight hammer from the list available for the class.

Class hours: 8

Fire Marshal Credit: 4

SEMINAR SERIES: Photovoltaic PV Safety for Firefighters – Presented By Captain Matthew Paiss

COURSE # 13237	DATE: 6/7	TIME: 8:30-4:30	FEE: \$55
-----------------------	------------------	------------------------	------------------

This seminar is designed for firefighters, incident commanders, and code officials to provide the tools to safely operate around a Solar Electric (Photovoltaic, or PV) System. With voltages up to 1000 VDC, knowing what is safe to touch or not touch is key. Students will walk away with an understanding of the individual components, fundamentals of operation, and where the hazards exist in a PV system. Several case studies of fires involving PV systems will be discussed, as well as developments in national safety codes and standards.

Class hours: 8

SMOKE SIGNALS: ENHANCING TACTICAL DECISIONS BASED ON PRODUCTS OF COMBUSTION - Presented by Assistant Chief John "Jay" Woron

COURSE # 13456	DATE: 6/4	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Determining the color, density, volume and velocity of smoke can assist in determining tactical objectives for extinguishing fires. Through review of past incidents, this class will encourage first arriving personnel to monitor smoke conditions prior to initial attack and continue to observe changing smoke conditions throughout the incident. These observations will assist the fire officer in making enhanced and safer tactical decisions.

Class hours: 8

Fire Marshal credit: 2

SPRINKLER AND FIRE PROTECTION SYSTEMS

COURSE # 13457	DATE: 6/6	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Firefighters, Officers, Inspector's and Fire Marshal's will get a thorough review of the operation of various Fire Protection System's including: Wet Systems, Dry Systems, Pre-action Systems, Gaseous Systems, Standpipe Systems, Fire Pumps / Water Supplies, etc.. Class will explain when and why these systems are installed. Class will attempt to make sense out of the Building Code and NFPA requirements. Basic system operation and support operations will also be discussed. Students will have the availability to influence those that design and specify these systems, in order that we may create "firefighter friendly" systems. If time allows hands on review of the sprinkler valves in the tower and/or basic standpipe hose deployment / support will also be reviewed.

Full PPE and SCBA will be required, as practical exercises will be conducted.

Class hours: 8

Fire Marshal Credit: 8

STATION EVALUATOR TRAINING

COURSE # 13458	DATE: 6/4	TIME: 8:30-12:00	FEE: \$25
COURSE # 13459	DATE: 6/8	TIME: 1:00-4:30	FEE: \$25

This half-day program is designed to establish a standard testing environment for students taking certification skill evaluations. Participants will learn the criteria for being professional and effective station evaluators. Participants will also practice completing skill sheets after viewing videotaped performances. Any instructor wishing to become a station evaluator at any state certification exam site must complete this course.

Prerequisites: Participants must be state certified as Fire Service Instructor I. Proof must be submitted with application.

Class hours: 4

STANDPIPE OPERATIONS

COURSE # 13460	DATE: 6/7	TIME: 8:30-4:30	FEE: \$50
-----------------------	------------------	------------------------	------------------

Whether you are in a large or small department, a 60-story hi-rise or a 2-story nursing home, standpipes are becoming more prevalent. Standpipe operations are extremely overlooked, taken for granted and an under-trained evolution with most fire departments. Standpipes are still misunderstood. This course will cover fatal incidents in past fires involving standpipes and how to avoid getting into dangerous situations during standpipe operations. Standpipe operation, proper equipment to use with standpipes, how to overcome problems with standpipes and duties of the members of an engine company will all be discussed. The students will go home with a new outlook on standpipe operations.

Full PPE and SCBA will be required, as practical exercises will be conducted.

Class hours: 8

Fire Marshal Credit: 4

TRUCK WORK: FROM THE BOTTOM RUNG UP

COURSE # 13461	DATE: 6/4	TIME: 8:30-4:30	FEE: \$100
-----------------------	------------------	------------------------	-------------------

Forcible Entry, Primary Search and Ventilation are disciplines that most ladder company firefighters are comfortable with. Less widespread is proficiency in fire ground ladder work. This physically challenging class will immerse students in tactical ground ladder operations. Starting with a brief refresher to brush up on terms, carries and raises, the tempo quickly accelerates through over 20 different skills. Various techniques to raise, climb and use ladders from 16 to 50 feet in length, as well as entry, hose line advancement, victim removal, RIT and rapid-sequence laddering and ventilation will build your proficiency with this critical fire ground tool and will challenge your endurance. Emphasis will be placed on means to succeed in fire ground laddering operations with minimal manpower.

Full PPE, SCBA are required. This course will provide high motivation and the desire to put the ***ladder*** back into your ladder company.

Class hours: 8