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Connecticut Fire Academy

State of Connecticut
Commission on Fire Prevention and Control
34 Perimeter Road
Windsor Locks, CT 06096-1069
www.ct.gov/cfpc



Connecticut Fire Academy



June Fire School 2009



June 1-6 2009

Greetings Folks:

Attendance at all Connecticut Fire Academy programs has been up significantly in recent years, so in order to ensure your first choice please review the classes offered in this booklet and return your application as soon as you decide upon your classes.

Exciting new programs scheduled for the 2009 June Fire School include Ladder Company Priorities, delivered by F.F. Paul J DeBartolomeo F.D.N.Y. Ladder 28; a full day class on Building Construction and the Fire Service, and the next Seminar Series Firefighter Cancer Support Network, presented by Mike Dubron a California firefighter, cancer survivor and President of FCSN.

Our most popular presentations from past years return, such as Forcible Entry presented by FDNY Rescue 1 Captain Rex Morris covering many forcible entry situations. Due to high demand Flashover Safety and Survival presented by CFA Instructors is offered twice this year.

Some new companion classes are offered this year to classes that have been offered in previous June Fire Schools. These include Advanced Elevator Emergencies which students, who take, or have taken Handling Elevator Emergencies can now apply for. Engine Company Operations Advancing the Initial Handline can be taken as a stand alone class or companioned with Engine Company Operations Alternative Hoseline Stretches or Engine Company Operations Emergency Action Drills and finish up the week with Stand-pipe Operations.

The Connecticut Fire Academy has listened to you, the student, and your evaluation of previous classes. Due in large part to your comments Collapse Rescue Shoring for Firefighters has been extended from a one day format to two days. Sizing up the Weight of Rescue has been extended from a half day program to a full day.

A representative of the National Fire Protection Association will deliver a half day program entitled What is New in Fire Service Standards. The Certification Division will assist trainers with a class on Practical Skills in Operations Level HM/WMD for Certification Testing which is offered twice.

Come join the team at the Connecticut Fire Academy as we offer the 2009 June Fire School to meet your personal and Fire Department Training needs.

Respectfully,
Adam D. Piskura, Director of Training

Connecticut Fire Academy Bookstore

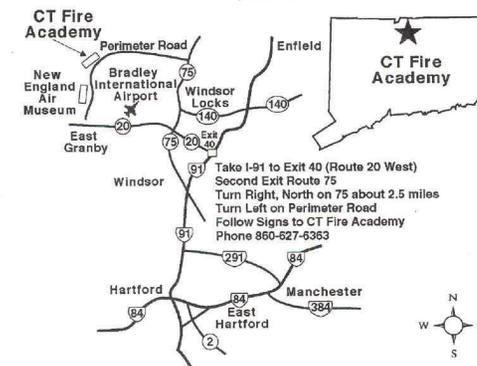
A service to the firefighting community

The Connecticut Fire Academy Bookstore boasts an impressive selective 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.



Traffic Control for Emergency Responders
Train the Trainer

Course # 09553 Date: June 6 Time: 0830-1630 Fee: \$30.00

This course is designed to aid departments that are involved with managing traffic at emergency scenes with or without an organized Fire-Police Unit. The program covers the roles of the emergency responder in traffic control, state statutes that apply for the Fire-Police Officer, required training, procedures for dealing with the public and the press, communication guidelines, personal protective and traffic control equipment, determining traffic control zones and practical exercises.

Training Prerequisites: none

Class Hours: 8

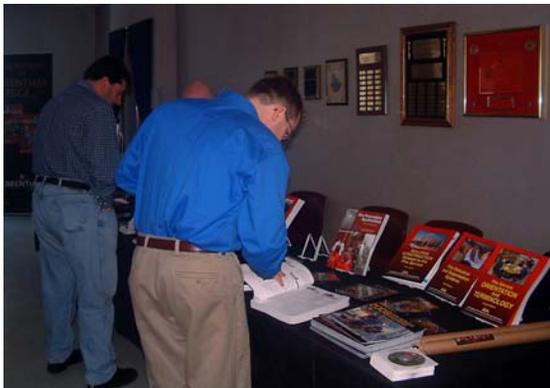
What is New in Fire Service Standards

Course # 09554 Date: June 3 PM Time: 1300-1630 Fee: \$15.00

Are you and your department aware of the latest changes to NFPA fire service standards? New standards reflect changes to personal protective equipment, apparatus, professional qualifications, and fire fighter safety, all of which will be discussed. This program will be presented by a representative of the National Fire Protection Association.

Class hours: 4

Fire Marshal credit: 2



While attending June Fire School be sure to visit our Vendor Site in our Multipurpose Room to see the latest fire related equipment, tools and additional resources.

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| Monday June 1 | Tuesday June 2 | Wednesday June 3 | Thursday June 4 | Friday June 5 | Saturday June 6 |
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| Rapid Intervention Team | Rapid Intervention Team | Advanced EVOC and Apparatus Safety | Collapse Rescue Shoring for Firefighters | Collapse Rescue Shoring for Firefighters | Advanced Rapid Intervention Teams |
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Tactical Considerations for Aerial Apparatus

Course # 09550 Dates: June 1, 2 Time: 0830-1630 Fee: \$65.00

This course will cover, in detail, the responsibilities of the aerial operator and will also explore some of the options available to the aerial operator in both emergency and non-emergency situations. Topics include: apparatus placement, stabilization practices, elevation and aerial safety, along with hands-on practical exercises. 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. Participants are required to bring full protective clothing (no SCBA).

Class Hours: 16

Television Media and the Fire Service

Course # 09551 Date: June 3 PM Time: 1300-1630 Fee: \$15.00

This half day program is designed to introduce members of the fire service to the needs of the television media and to the benefits that can be derived from working with the media both during emergency situations as well as with your day to day operations. Participants will be shown how television can be used to positively market your department and its services as well as how you can disseminate important information during incidents. The ability to get accurate information to the public during a major incident can greatly improve the potential for achieving the best possible outcome, but do not limit your thoughts of the TV media to just incident coverage. They can allow you to publicize your department in a positive light, such as covering specialized training sessions or the placing in service of new equipment.

The program will discuss what a news crew's objectives are when they arrive at a scene and how they will work with the fire department to best achieve their goals while making every effort to not negatively impact operations. Examples of the type of equipment they will bring to a scene will be discussed (and displayed if available) along with an explanation about the manner in which the equipment works and how this dictates vehicle placement. Examples of how this equipment can be used to assist then incident commander will also be given. This program will be presented by employees of WFSB Channel 3.

Class hours: 4

Fire Marshal credit: 2

The Officer's Role in Emergency Vehicle Operation and Apparatus Safety

Course # 09552 Date: June 4 PM Time: 1300-1630 Fee: \$25.00

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

Class Hours: 4

So You're in the Front Seat Today

Course # 09547 Date: June 3 Time: 0830-1630 Fee: \$30.00

Senior Firefighter? Acting Officer? Stuck in the front seat today? Learn some tips, tricks, and strategies to succeed when 'in the front seat' today.

Many fire departments use the senior firefighter to fill the roll of company officer on a daily basis. Often, the member may not have a choice or opportunity to refuse the assignment. So you are stuck in a role that is substantially different than your normal routine. So what now? This class will offer you methods to ensure the duties of the Company Officer are met for the day, the department's mission or goals are attained, and the members operate safely to ensure they go home at the end of the shift.

Class hours: 8

Standpipe Operations

Course # 09548 Date: June 6 Time: 0830-1630 Fee: \$40.00

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. Hopefully the student 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

Statewide Fire-Rescue Disaster Plan and Regional Resources

Course # 09549 Date: June 1 AM Time: 0830-1200 Fee:\$15.00

All fire departments will experience incidents requiring multi-alarm and specialized command situations. Knowing what resources are available is a must to be an effective Incident Commander. This course is designed for current and aspiring Incident Commanders, to develop their knowledge and awareness of the many Statewide Regional Resources available to them. An overview of the Statewide Fire-Rescue Disaster plan, current Taskforce system and all current and anticipated future regional assets will be covered in this presentation.

Class hours: 4

Accelerant Detection K-9

Course # 09501 Date: June 4 AM Time: 0830-1200 Fee: \$15.00

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

Advanced Elevator Emergencies

Course # 09502 Date: June 5 Time: 0830-1630 Fee: \$75.00

This course is designed for the trained professionals that respond to emergencies involving stalled elevators. Emergency personnel with inadequate training in elevator emergencies are exposed to an increased risk of injury or death to both the victim and the rescuer. This comprehensive course will provide emergency responders with intensive classroom and hands-on training on how to safely and effectively remove passengers from stalled elevators. Advanced procedures that will be covered in this program include: use of the car top run box, securing elevator techniques (rigging), tripping the governor and rail grips. Victim removal will cover victim pinned in the hoist-way, victim in the pit and blind shaft removal. The final topic covered will be a space case evolution.

Prerequisite: "Handling Elevator Emergencies" delivered by Dragon Rescue at this and previous June Fire Schools.

Class hours: 8

Advanced Emergency Vehicle Operation and Apparatus Safety

Course # 09503 Date: June 3 Time: 0830-1630 Fee: \$35.00

This course includes the material covered in the Basic Emergency Vehicle Operation and Apparatus Safety course. 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

Advanced Rapid Intervention Team Skills

Course # 09504 Date: June 6 Time: 0830-1630 Fee: \$100.00

Safely removing a trapped or unconscious firefighter from a burning building is a labor-intensive operation. Advanced Rapid Intervention Team Skills is a one-day course where students will be able to affect such a rescue in our new RIT Simulator. The simulator adds smoke and heat to the scenarios and tests the team's ability under actual fire conditions. Time will be allocated to reviewing advancements in RIT procedures and equipment. The skills application component is extremely rigorous and physically demanding. Participants are required to bring full protective clothing, including SCBA with one spare cylinder.

Training Prerequisites: Applicants must have completed Rapid Intervention Training offered by the Connecticut Fire Academy proof must accompany application.

Class hours: 8

Advanced Vehicle Extrication

Course # 09505 Dates: June 4, 5 Time: 0830-1630 Fee \$100.00

This two day program is designed to provide the experienced student with realistic scenarios involving different problematic extrications. The objectives of this class are to provide the student an environment to implement an incident management system at motor vehicle incidents, along with contemporary extrication and stabilization techniques. Vehicles will be in compromising positions providing students with challenging scenarios.

Topics covered include: hazard assessment and stabilization; victim removal; developing a "Team" concept; vehicle assessment and scene safety.

Participants are required to bring full protective clothing (no SCBA).

Course hours: 16

Basic and Hazmat Metering

Course # 09507 Date: June 2 Time: 0830-1630 Fee \$30.00

The Basic Metering Package supplied to most communities, including the Scott Scout 4-Gas, the MiniRae PID, the Ludlum Model 3 and the SAIC personal dosimeter will be covered in the first module. The HAZMAT Meter Package including the APD2000, the M256A1 kit and the Drager CMS/CDS kits will be covered in the second module. Participants will understand the dual metering approach and conversion factors that are needed to be performed when monitoring atmospheres that are different from the calibration gas. This program will provide the user with an overview of the Basic Metering Package and Hazmat Metering Package that allows them to use these tools as part of their everyday response. To allow more hands-on experience participants are urged to bring their fully charged and calibrated meters, providing their department can support the meters being out of service for the duration of the class.

Class hours: 8

Fire Marshal credit: 8

Basic Emergency Vehicle Operation and Apparatus Safety

Course # 09508 Date: June 2 PM Time: 1300-1630 Fee \$25.00

The continued rates of emergency vehicle 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. EVO defines needed qualities and discusses motivating the operators to drive safely. A module covers legal issues including 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. The "Safe Driving Technique" focuses on the need for proper vehicle inspection and maintenance procedures to be established and followed on a regular basis.

Class hours: 4

Scott Air-Pack Field Maintenance 2.2 – 4.5

Course # 09544 Date: June 2 Time: 0830-1630 Fee: \$20.00

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. Should a department wish to perform field maintenance on their Scott SCBA, there is an extensive necessary tool list. A 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

Sizing up the Weight of Rescue

Course # 09545 Date: June 4 Time: 0830-1630 Fee: \$40.00

Most rescuers are not aware of the total weights of many common construction materials. The weight of these objects can easily exceed the working capacities of your lifting tools and systems. This class will assist the rescuer with performing field calculations for common construction materials. The classroom portion of the course will explain how to determine the weight of large construction materials. Students will learn how to use an engineers rule to assist in calculating the estimated weights of large materials. The class will then move outside where members of Local 478 of the Operating Engineers will have the students estimate weights of construction materials based on their training.

Students should bring their own portable calculator.

This class may be held offsite from the CFA.

Class hours: 8

Smoke Signals: Enhancing Tactical Decisions based on Products of Combustion

Course # 09546 Date: June 1 Time: 0830-1630 Fee: \$30.00

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 to assist in making enhanced and safer tactical decisions.

Class hours: 8

Fire Marshal credit: 2

Practical Skills in Operations Level HM/WMD for Certification Testing

| | | | |
|-----------------------|------------------------|------------------------|---------------------|
| Course # 09540 | Date: June 4 PM | Time: 1300-1630 | Fee: \$15.00 |
| Course # 09506 | Date: June 6 AM | Time: 0830-1200 | Fee: \$15.00 |

This course is designed to assist fire service instructors in preparing candidates to take the Operations Level Hazardous Materials/Weapons of Mass Destruction practical skills certification exam. The topics covered include the assessment of donning and doffing structural firefighting gear; donning and doffing of level "B" chemical protective clothing; and the assembly and operation of mass decontamination and technical decontamination lines. If time permits, other HM/WMD practical skills will be demonstrated and explained.

Participants are encouraged to bring full structural personnel protective equipment including SCBA and level "B" chemical protective clothing including outer gloves and boots (which should be 2-3 sizes larger than normal footwear) for this hands-on experience.

Course hours: 4

Preparing an Honor Guard

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|-----------------------|------------------------|------------------------|---------------------|
| Course # 09541 | Date: June 4 PM | Time: 1300-1630 | Fee: \$15.00 |
|-----------------------|------------------------|------------------------|---------------------|

This 4 hour classroom presentation will cover topics such as: establishing an Honor Guard, development of SOP's, LODD levels of service, and implementing a LODD Incident Action Plan. We preplan for and train for every other aspect within the Fire Service; this class will lay the foundation for a successful team approach in handling a Fire Service related ceremony.

Class hours: 4

Rapid Intervention Team - (RIT)

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|-----------------------|-------------------------|------------------------|---------------------|
| Course # 09542 | Dates: June 1, 2 | Time: 0830-1630 | Fee: \$95.00 |
|-----------------------|-------------------------|------------------------|---------------------|

This is an intensive course on fire behavior and fire survival training. 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 be covered.

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

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

Class Hours: 16

SCBA Air Management Program

| | | | |
|-----------------------|---------------------|------------------------|---------------------|
| Course # 09543 | Date: June 2 | Time: 0830-1630 | Fee: \$60.00 |
|-----------------------|---------------------|------------------------|---------------------|

This very intense and physically demanding course is based on NFPA 1404 Air Management standard and consists of a short classroom session followed by the remainder of the day in active participation on the drill ground. Practical skills will consist of the use of the Weeper Maze, Trailer Maze and a group of exercises in the drill tower. Hands-on skills include the use of the Friction Force door trainers, the Kaiser machine, and hoisting hose coils on a rope. Students will rotate through rehab during the class.

Training Prerequisite: Firefighter I

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

Class hours: 8

Building Construction and the Fire Service

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|-----------------------|---------------------|------------------------|---------------------|
| Course # 09509 | Date: June 2 | Time: 0830-1630 | Fee: \$40.00 |
|-----------------------|---------------------|------------------------|---------------------|

This program will look at the NFPA 220 classification of buildings and their fire resistance characteristics. Time will be spent looking at the different types of loads placed on buildings, structural elements and how they effect fire ground decision making. In addition fire protection and fire growth in buildings will be covered with emphasis on the various wood frame styles and ordinary construction. Course will include a review of case studies in which building construction was a factor in line of duty deaths.

Course hours: 8

Fire Marshal credit: 8

Calling the Mayday

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|-----------------------|---------------------|------------------------|---------------------|
| Course # 09510 | Date: June 6 | Time: 0830-1630 | Fee: \$60.00 |
|-----------------------|---------------------|------------------------|---------------------|

What are the Mayday decision parameters for firefighters? How do we teach the Mayday decision-making process to firefighters? How much Mayday practice do firefighters need? This eight hour National Fire Academy training course focuses on the ins and outs of firefighters calling a Mayday. It requires the instructors to certify that the students have met the psychomotor skills requirement to call a Mayday over their radio. The firefighter must demonstrate the ability to call Mayday under various emergency situations a firefighter may find themselves in. The minimum: being trapped or lost in a room, having something collapse on them such as a ceiling, being stuck or caught on something such as wires, and falling through a floor or roof. These conditions will be simulated using props with the firefighter in full PPE, SCBA, and portable radio in a blacked-out face mask.

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 training.

Class hours: 8

Class1 Pressure Governors

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|-----------------------|------------------------|------------------------|---------------------|
| Course # 09511 | Date: June 3 AM | Time: 0830-1200 | Fee: \$15.00 |
|-----------------------|------------------------|------------------------|---------------------|

Chuck Hutchins from Class1 IDEX Corporation will present a half day overview of Pressure Governors produced by their company. This program will be appropriate for pump operators, mechanics, and departments preparing specifications for new pumping apparatus.

- Captain Pressure Governor
 - Features and benefits of the Captain
 - Overview of operation
 - Adjustment and setup
 - Self test and trouble shooting
- Total Pressure Governor TPG
 - Features and benefits of the TPG
 - Overview of operation
 - Adjustment and setup
 - Menu's and trouble shooting
- Total Pressure Governor Plus TPG+
 - Features and benefits of the TPG+
 - Overview of operation
 - Adjustment and setup
 - Menu's and trouble shooting

Class hours: 4

Collapse Rescue Shoring for Firefighters

Course # 09512 Dates: June 4, 5 Time: 0830-1630 Fee: \$100.00

You are dispatched to a report of a car into a building with people trapped. This is a common call in the fire service. This program is designed to prepare the firefighter that responds to collapse emergencies that have occurred in wood frame and ordinary type of construction.

The student will learn basic building construction, how collapses occur and how to properly support structures with emergency shoring techniques. Students will learn how to build basic shoring systems utilizing both wood and pneumatic shores. Based on student input from last year this class has been extended to two full days.

Students will also be given an awareness lesson on the capabilities and equipment of Connecticut Urban Search and Rescue Taskforce.

Class hours: 16 hrs

**Crew Resource Management
From the Flight Deck to the Firehouse**

Course # 09513 Date: June 2 AM Time: 0830-1200 Fee: \$15.00

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 to greatly improve the level of safety in our workplace.

Class hours: 4

Delivering Fire Service Objectives at a Company Drill

Course # 09514 Date: June 6 AM Time: 0830-1200 Fee: \$15.00

This course is designed for training officers and fire service instructors and will discuss the best methods for delivering objectives in the field. Through lecture, discussion, and group activities this course will enable trainers to create performance objectives; build a lesson plan for a psychomotor skill; create appropriate evaluation instruments; and review the best teaching methods when working with a prepared lesson plan. This class is of value to the company officer responsible for the readiness of their crew.

Class hours: 4

Design and Construction of Mechanical Advantage Systems

Course # 09515 Date: June 1 Time: 0830-1630 Fee: \$60.00

This class will focus on mechanical advantage systems and their applicability to various rescue disciplines, including but not limited to rope rescue. Topics will include relevant NFPA standards, introduction to mechanical advantage systems, system design considerations, and a review of equipment used for constructing mechanical advantage systems. In the practical skills session, students will construct and exercise simple, compound, in-line and piggyback systems. This course is designed so the beginner or the seasoned rescuer can gain valuable information.

Class hours: 8

National Fire Incident Reporting System (NFIRS 5.0) Update

Course # 09538 Date: June 3 PM Time: 1300-1630 Fee: \$15.00

This program presents information regarding the National Fire Incident Reporting System (NFIRS 5.0). It is intended to provide refresher training to assist fire marshals and fire departments accurately code their incidents. This program will cover such items as coding your incidents, how to access the USFA NFIRS web reports, the reporting timeline for the State of Connecticut and any upcoming changes for 2009. Time will be allowed for a question and answer period. This course is appropriate for Fire Marshals and fire department personnel including administrative assistants, who have the responsibility of completing incident reports. There will not be any particular software training.

Course hours: 4

OSHA Mandates

Course # 09539 Date: June 3 AM Time: 0830-1200 Fee: \$15.00

This seminar will take the guesswork out of workplace safety and health by providing specific information about the Connecticut Department of Labor, Occupational Safety and Health Division (CONN-OSHA): who they are, what they do, and what happens after they show up at your door.

John Able, CSP, CONN-OSHA Occupational Safety Training Specialist, will discuss all facets of CONN-OSHA activities. Specific items to be covered include:

- CONN-OSHA staff composition
- Most frequently cited violations
- Handling an OSHA Inspection
- Post-inspection activities
- Injury and Illness Recordkeeping Requirements
- Safety & Health Programs

The ever-changing, complex and high-risk tasks that fire departments engage in often make compliance with OSHA standards difficult. A programmed, systematic approach to safety and health will pay dividends in many ways. CONN-OSHA is dedicated to providing assistance in crafting safety and health programs designed to prevent injuries and illnesses.

Class hours: 3

Passenger Train Emergency Response

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|-----------------------|---------------------|------------------------|---------------------|
| Course # 09557 | Date: June 5 | Time: 0830-1630 | Fee: \$40.00 |
| Course # 09558 | Date: June 6 | Time: 0830-1630 | Fee: \$40.00 |

This in-depth class will consist of a half day of classroom instruction and a half day of hands-on equipment familiarization which is delivered by the manager of Emergency Preparedness from AMTRAK. The class is designed to increase the safety of emergency responders who respond to passenger railroad emergencies. The classroom setting provides instruction in safety and railroad familiarization and the afternoon will reinforce your understanding of passenger train equipment and how emergency responders enter passenger equipment and extricate injured persons. Topics covered include: railroad right of way, responder safety concerns, accessing equipment, pre-planning, pneumatic and electrical hazards, equipment schematics, tunnels and bridges. The afternoon session will conclude with a hands-on search in a railcar and victim removal.

Full protective clothing, including SCBA with is required.

Class hours: 8

Hybrid Vehicle Safety Awareness

Course # 09532 Date: June 1 AM Time: 0830-1200 Fee: \$125.00

This half day program covers five ways to identify a hybrid vehicle; high voltage, intermediate voltage, and 12 volt system components and locations; remote battery locations; ignition power on/off push buttons and smart keys; approaching and handling hybrid vehicle collision scenes; hybrid vehicle extrication; submerged hybrid vehicle procedures; and general guidelines and warnings. The program consists of a classroom portion, as well as a hands-on session. This program is presented by Hybrid Hazards. All participants will receive Hybrid Hazards guidebook entitled: Hybrid Vehicles High Voltage/SRS Shutdown Procedures which covers 24 different hybrid vehicles.

Class hours: 4

In Pursuit of Instructional Greatness

Course # 09524 Date: June 1 PM Time: 1300-1630 Fee: \$20.00

We are Fire Service Instructors. When we accepted this responsibility, we also undertook the obligation to influence, inspire, motivate, and shape people's lives. Even though the intentions are well meant, the deliveries, methodologies, and tactics we often use can be dull, bland, and boring. The objective of this interactive workshop is to introduce ideas, encourage networking, stimulate creative thinking, and engage both halves of the brain to, ultimately, bring a breath of fresh air in our classrooms. We are Fire Service Instructors. This is OUR Fire Service. Let's make it great!

Class hours: 4

Ladder Company Priorities

Course # 09537 Date: June 4 Time: 0830-1630 Fee: \$60.00

Understanding the vital role of the Ladder Company at structural fires is a major key to success on the fire ground and is a proven way to save lives. Each year over 3000 civilians are killed in private dwelling fires and thousands more are severely injured. This interactive lecture and hands on class will point out incidents critical functions, establish these functions in a priority order, and allow the students the opportunity to put their skills to work under live fire conditions. Learn the "Bread and Butter" skills of the truck such as: Forcible entry, Aggressive primary search, V.E.S. and more, from experienced instructors from some of the busiest companies in the City of New York. Lead Instructor for this class will be F.F. Paul J DeBartolomeo, F.D.N.Y. Ladder 28.

Class hours: 8

Metal Cutting Torches in Rescue Operations

Course # 09559 Date: June 5 Time: 0830-1630 Fee: \$60.00

Truck and Heavy Rescue Companies carry a variety of torches and exothermic cutting systems. Many of these cutting systems use an extremely high-temperature flame or arc which is capable of heating steel until it melts, thereby cutting through the object. Because these cutting systems produce such high temperatures (5700 degrees Fahrenheit) operators must be specially trained before using them especially in rescue operations. This class will teach the basics of using popular cutting torches found in the fire and rescue services to attain a level of knowledge and skill to safely operate in emergency situations.

Full firefighter protective clothing (no SCBA) will be required.
This class will be held offsite from the CT Fire Academy.

Class hours: 8

Did We "Get" the Lesson?

Course # 09516 Date: June 4 Time: 0830-1630 Fee \$30.00

This class is a case-driven review of critical events in Fire Service history. These events caused a shift (change) in the way the Fire Service operates. Unfortunately, we do not always heed the lessons of the past. Is the Fire Service destined to repeat these lessons if they are not reviewed?

Class hours: 8

Effective Search Operations in Private Dwellings

Course # 09517 Date: June 3 Time: 0830-1630 Fee: \$60.00

This course outlines the strategic objectives of conducting a safe, aggressive and efficient fire ground search operation. The lecture will cover the basics of fire ground search including, search size-up, search techniques, tools, thermal imaging, search priorities, orientation, accountability, communications, search safety and Vent Enter Search.

Course hours: 8

Emergency Preparedness and Response for People with Disabilities

Course # 09555 Date: June 6 AM Time: 0830-1200 Fee: \$30.00

This is an interactive training with an opportunity to learn first-hand from several trainers who are involved in emergency planning and have various disabilities (some of whom also have service animals). Topics to be discussed include: people first language, prevalence of disability, communication tips, service/assistance animals, and safe evacuation considerations. A hands-on scenario which incorporates the topics discussed concludes the training. This training was developed in collaboration with the Capital Region Emergency Planning Committee and Advocates for People with Disabilities.

Class hours: 4

Fire Marshal credit: 2

Emergency Vehicle Operator Course: Practical Skills

Course # 09518 Date: June 5 AM Time: 0830-1200 Fee: \$50.00

This course challenges both the new and experienced Emergency Vehicle Operator with a practical driving skills timed exercise. The course consists of a series of challenging and confidence building vehicle maneuvering stations that cover the entire field of emergency vehicle operations. Vehicle control, not speed, is the primary skill in this course. Topics include: controlled braking techniques and diminishing stopping distance as well as rollover prevention.

Class hours: 4

**Engine Company Operations
Advancing the Initial Handline**

Course # 09519 Dates: June 2, 3 Time: 0830-1630 Fee: \$150.00

It has often been said "As the first handline goes, so goes the fire!" This course we will review initial engine company size up, handline selection, and handline placement. Often the fireground has multiple handlines 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 handline 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 in the Springfield Massachusetts Fire Department burn building. 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 training.

Class hours: 16

**Engine Company Operations:
Alternative Hose Stretches**

Course # 09520 Date: June 5 Time: 0830-1630 Fee: \$60.00

The pre-connected hoseline is generally the preferred first hoseline in service by the engine company at a fire scene. The conventional first hoseline stretch is to enter the structure through the front door or main egress. The conventional stretch may not work due to numerous reasons, burned out stairs, not enough hose, or limited staffing. This course will expose the student to alternative hose stretch methods to compensate for these and other predicaments. The majority of this course will be hands-on training.

Full personal protective clothing with SCBA will be required.

Class hours: 8

**Engine Company Operations:
Emergency Action Drills**

Course # 09521 Date: June 4 Time: 0830-1630 Fee: \$60.00

The ability to react immediately to overcome a dangerous situation during an interior engine company hoseline attack might be the difference between life and death for the nozzle team. This course discusses and demonstrates five documented life threatening scenarios that have occurred during interior attacks. This course will teach you how to react with muscle memory. The drills practiced here will be short, basic and intense, designed to make the firefighter react. Short life saving skills drills covered in this course will be excellent for the student to take back to their department and share. Full personal protective equipment with SCBA will be required.

Class hours: 8

Honey Bee Response Training

Course #09535 Date: June 1 Time: 1300-1630 Fee: \$15.00

Would you know what to do in an emergency response involving honey bees? Would you recognize the difference between bees and wasps? This course is designed to prepare personnel that respond to emergencies on how to handle a stinging insect incident, a stinging victim, or a situation involving swarming bees, such as an accident involving a tractor-trailer moving through the state loaded with agricultural honeybees. Inadequate training in handling honey bee emergencies may lead to a delay in assisting victims. Some responders may also be allergic to bee and wasp venom.

This course will provide emergency responders with classroom and hands-on training on basic facts about honey bees in Connecticut, honey bees vs. wasps, their defensive response, honey bee reactions, response to smoke, safe and effective bee protection, removing stinging victims from bees, and how to immobilize bees. Information on who to call for additional assistance will be provided. The classroom presentation is accompanied by bee equipment and an observation hive of live bees. The second portion of this class will be held outside with bee colonies and live bees with an opportunity to don bee hoods and apply foaming agents or wetting agents to immobilize and kill bees. There can be a slight chance a participant may be stung.

Full protective clothing (no SCBA) is required for the practical portion of the course.

Instructor(s): Kirby C. Stafford III, State Entomologist
Ira Kettle, State Apiary Inspector
Theodore Jones, President, CT Beekeepers Association
Winthrop E. Baum, Past President, Back Yard Beekeepers Association

Class hours: 4

Hurst Extrication Equipment

Course #09536 Date: June 3 Time: 0830-1630 Fee: \$40.00

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

Handling Elevator Emergencies

Course # 09533 Dates: June 3, 4 Time: 0830-1630 Fee: \$125.00

This course is designed for the trained professionals that respond to emergencies involving stalled elevators. Emergency personnel with inadequate training in Handling Elevator Emergencies are exposed to an increased risk of injury or death to both the victim and themselves. This comprehensive course will provide emergency responders with intensive classroom and hands-on training on how to safely and effectively remove passengers from stalled elevators.

Topics include: nomenclature, safety, how an elevator functions, construction, outside hoists, elevator safety devices, possible equipment needed, initial response steps, restarting a stalled elevator, lock/out – tag/out procedures, elevator doors, use of hoistway door keys/pick tools, poling, removal of passengers from stalled elevators, and fireman service (phase 1/phase2).

This course features a dynamic PowerPoint presentation accompanied by realistic hands-on skill stations. The combination of the picture filled PowerPoint program and state-of-the-art props, built from actual elevator and escalator parts, enable the presenters to bring the elevator to the classroom. 8 hours is spent in the classroom/skill stations. Day 2 Incorporates a 4 hour rope program, and 4 hours performing victim removals w/ the elevator stuck between floors. In addition, new elevator door pick tools and a poling device (designed by the lead instructor) will be introduced and demonstrated. Course instructors: Michael A. Dragonetti & Andy Werkhoven.

Portions of this class will be held offsite from the Fire Academy.
Full protective clothing (no SCBA) is required.

Class hours: 16

Holmatro Rescue Equipment Featuring New Vehicle Technology

Course # 09534 Date: June 1 Time: 0830-1630 Fee \$40.00

This program is designed not only to provide knowledge of hydraulic rescue tools, but also to apply 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.

The Holmatro representative will provide a Vehicle Extrication Techniques booklet to each attendee.

Full Protective clothing (No SCBA) is required.

Class hours: 8

Entry Level Firefighter Oral Interview Techniques

Course # 09522 Date: June 2 PM Time: 1300-1630 Fee: \$15.00

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

ES-Key Pro Service Class1 Multiplexing System

Course # 09556 Date: June 3 PM Time: 1300-1630 Fee: \$15.00

Chuck Hutchins from Class1 IDEX Corporation will present a half day overview of the ES-Key Multiplexed System produced by their company. Multiplexing is a system that allows apparatus electrical components to communicate in a new and more efficient manner without a multitude of copper wires between each switch, relay and component. This program will be appropriate for pump operators, mechanics, and departments preparing specifications for new apparatus.

- Review of multiplexing
- Physical layer
- ES-Key Hardware
- Intro to ES-Key Pro Service software
 - Overview of menu structure
 - Review of multiplex logic
 - Reports
- Troubleshooting with the software
 - Viewing live circuits
 - Manipulating inputs and outputs
- Connectivity
 - Modem
 - Serial to Controller Area Network (CAN)
 - USB to CAN

Class hours: 4

Evidence Preservation at the Fire Scene

Course # 09523 Date: June 1 PM Time: 1300-1630 Fee: \$15.00

Fire suppression forces and first responders can perform vital life safety and property conservation efforts while maintaining a high level of viable scene evidence if they are aware of some basic concepts. This training is designed to introduce the fire suppression forces to the team concept of fire investigation and offer the fire officer some options that may aid the fire investigators during their investigation. Topics that will be covered include arson awareness, the Fire Investigator's responsibility to the Incident Commander, and the four basic firefighter functions regarding evidence preservation during fire investigations: observation, recognition, preservation, and notification. Potential students should be aware that photographs for the content of portions of this program are from actual investigations and may be graphic in nature.

Class hours: 4

Fire Marshal credit: 4

Firefighter Cancer Support Network

Course # 09219 Date: June 5 Time: 0830-1630 Fee: \$55.00

Firefighters and Cancer: All too often we hear of firefighters being diagnosed with cancer, almost all of us have been affected by this disease. Your fire department has trained and prepared for many different scenarios, but have you ever thought of being prepared in the event of a cancer diagnosis? This seminar will discuss reducing unnecessary exposures that can lead to cancer, and promoting the importance of annual wellness exams, which include specific evaluations that might identify cancer while it's still very treatable and curable are important issues. Mike Dubron, President and Founder of the Firefighter Cancer Support Network (FCSN) and cancer survivor will share the insights of his diagnosis and the genesis of the FCSN and cancer related topics. The FCSN has proudly received the endorsements and support of many fire service organizations including the IAFC and IAFF. The FCSN welcomes you, to this interactive session as we work on promoting these important issues. *"Together We Can Make A Difference"*.

Class hours: 8

Firefighter Rehabilitation

Course # 09525 Date: June 3 Time: 0830-1630 Fee: \$50.00

Course delivery covers Introduction to Fire Service Rehabilitation, recognizing the need for on scene rehab, pre incident training and SOP/GOG requirements, on scene operations, and post incident monitoring. The beginning of the course is classroom lecture, followed by practical sessions using the Connecticut Fire Academy rehabilitation trailer.

Class hours: 8

First Due – Common Sense Size-up

Course # 09526 Date: June 4 Time: 0830-1630 Fee: \$60.00

This interactive presentation is dedicated to the initial size-up strategies for the first due officer. Strategies to be discussed include the classic Thirteen point method, Recognition – primed decision making and the Who, What, When, Where and Why of size-up. Size-up considerations such as building construction, fire attack, resources, rescue, exposures issues and crew safety will be highlighted. Simplifying the size-up process helps the first due officer develop a workable and safe initial action plan. The morning session will consist of a comprehensive lecture and skill building. In the afternoon session students will participate in a series of fast paced interactive scenarios which will help to develop their size-up skills.

Course hours: 8

Fitness for Firefighters

Course # 09527 Date: June 1 Time: 0830-1630 Fee: \$30.00

This eight hour program thoroughly covers the most important topic of our era: firefighter fitness and wellness. We will present the building blocks for the basic understanding of motivation, physical fitness assessments, program design, exercise modalities, and nutrition, and will conclude with a creative and dynamic hands-on firehouse workout routine.

Students are required to be cleared to participate in a fire service fitness class, and to bring a water bottle and comfortable clothing suitable for exercise.

Course hours: 8

Freedom of Information and Media Relations for Fire Department Management

Course # 09531 Date: June 2 PM Time: 1300-1630 Fee: \$15.00

The Freedom of Information Act guarantees all citizens the right to have access to public records and public documents. The FOI Commission conducts workshops around the state helping citizens and officials understand their rights and their obligations under the FOI Act. Some of the topics that are explored include:

Do meetings in your firehouse or fire department business meetings fall under the criteria of the Freedom of Information (FOI) Act?

- 1) The definitions of public records and meetings.
- 2) How to manage requests for public records.
- 3) What are the rules governing executive sessions?
- 4) Does the public have access to all meetings and documents?
- 5) Are e-mails and other electronic documents available to the public?
- 6) Does the public have a right to speak at public meetings?
- 7) Can an agency talk about business not listed on its meeting agenda?
- 8) What is the process for filing a complaint with the FOIC?

This portion of the workshop will be conducted by Tom Hennick. Tom is the Public Education Officer at the Freedom of Information Commission.

The second portion of this presentation will be delivered by Brian Garnett concentrating on crisis communications with the media at a fire scene or fire station. Based on 25 years of media experience, Brian will cover the topics of why public officials and agencies must deal with the media. Through scenarios that fit the firefighting profession attendees will learn how to thoroughly prepare for an interview or other encounter with the media including the mechanics of an interview and how to get your point across. Brian will discuss the inner workings of today's media, what they are looking for and how you can best present it.

Brian Garnett has a Bachelors Degree in Communications from the American University in Washington DC in communications. He has worked in radio in Washington, Massachusetts and in Hartford, before he joined WFSB Channel 3 in 1980 and spent 21 years covering public safety, courts and the capitol. Brian now serves with the Department of Correction as Director of External Affairs.

Class hours: 4

Fire Marshal credit: 2

Flashover Safety and Survival

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| Course # 09528 | Date: June 2 | Time: 0830-1630 | Fee: \$95.00 |
| Course # 09529 | Date: June 6 | Time: 0830-1630 | Fee: \$95.00 |

Flashover Safety and 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

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| Course # 09530 | Date: June 1 | Time: 0830-1630 | Fee: \$65.00 |
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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 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.

Class hours: 8

Flashover Permission form

Please print/type and mail/fax with payment to
CFPC, 34 Perimeter Road, Windsor Locks, CT 06096-1069 • Fax (860) 654-1889

The following must be completed prior to receiving Flashover Survival training.

Participant's
Signature: _____ Date: _____

Participant's Name: _____
(Please Print)

As the Chief of the _____ Fire Department

I hereby authorize the above applicant to participate in the Flashover Simulator, and therefore understand that the above mentioned member(s) will be covered by my department's Worker's Compensation Insurance while participating in such training and that the Commission on Fire Prevention and Control, its commissions, officers, agents or employees shall not be liable for any injuries sustained during such training. This applicant(s) is considered by my department's standards to be physically and emotionally fit to perform firefighting evolutions without special considerations, and where applicable to meet the CFR 1910.134 standard for the use of respirators (Self-Contained Breathing Apparatus).

I further understand that the Commission on Fire Prevention and Control, its commission, Officers, agents or employees shall not be liable for any damage to the above mentioned members' protective equipment while participating in Flashover Survival training. According to the Flashover Container manufacturer; firefighting helmets constructed with polycarbonate will fail during flashover and are therefore prohibited.

Chief's Signature: _____ Date: _____

Chief's Name: _____
(Please Print)

