



## Impact Training Programs

Impact Training Programs provide two- to three-hour presentations to firefighters on duty in their stations. Awareness level programs are delivered in a format designed to meet your schedule and needs.

### Common Emergencies

**Course Number:** 429 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course gives firefighters an overview of everyday calls. Common emergencies such as electrical, heating, and natural gas problems, water leaks, vehicle, kitchen, bedroom and trash fires are addressed. Carbon monoxide detector and alarm system issues are also covered.

### Confined Space Rescue Awareness

**Course Number:** 447 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course makes firefighters aware of the acute dangers involved in confined space rescue incidents. The presentation stresses safety and self-preservation.

### Fire Attack

**Course Number:** 433 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** No

This course familiarizes fire personnel with the principles of modern structural firefighting including line selection, attack modes, hydraulics and ventilation.

### Fire Emergency Operation (Elevators 3502)

**Course Number:** 428 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course familiarizes firefighters with safe operation of elevators equipped with the 3502 fire service key.

### Hydrogen Cyanide

**Course Number:** 425 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course discusses the dangers that firefighters face when hydrogen cyanide is released by combustion, the lack of real treatment if a firefighter is exposed, and the best protection (SCBA). The course also covers the importance of metering for hydrogen cyanide at fire scenes.

### Trench Rescue Awareness

**Course Number:** 427 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course educates firefighters about the acute dangers involved in trench rescue incidents. The presentation stresses safety and self-preservation.

### Vehicle Fires

**Course Number:** 436 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** Yes

This course familiarizes firefighters with the hazards of vehicle fires and includes information about the wide variety of vehicles. Firefighters learn about life safety hazards associated with fighting vehicle fires in automobiles, buses, wheelchair vans, and commercial vehicles. Wearing proper gear and the use of proper tactics are stressed.

### Automatic Sprinkler Systems

**Course Number:** 426 **Certificate Type:** None  
**Hours Total:** 3 **Classroom:** 3 **Practical:** 0  
**FCC:** 0 **FPO:** 0 **OEMS:** No

A 3-hour slide and lecture presentation that familiarizes firefighters with the component parts of an automatic sprinkler system. The course describes different types of sprinkler

systems and identifies factors resulting in excessive fire damage to sprinklered buildings.

### Lightweight Construction

**Course Number: 448 Certificate Type: None**  
**Hours Total: 3 Classroom: 3 Practical: 0**  
**FCC: 0 FPO: 0 OEMS: No**

This course gives firefighters an inside look at lightweight construction trends. The course describes new construction methods and the dangers they pose to the fire service. The course also covers tactics and strategy for fire attack in lightweight construction.

### Meters

**Course Number: 449 Certificate Type: None**  
**Hours Total: 4 Classroom: 4 Practical: 0**  
**FCC: 0 FPO: 0 OEMS: Yes**

This course increases awareness of basic meter operations used by the fire service. The course teaches meter setup, what the results of atmosphere tests show, and appropriate action to secure scenes.

### Natural Gas/Propane Awareness

**Course Number: 431 Certificate Type: None**  
**Hours Total: 3 Classroom: 3 Practical: 0**  
**FCC: 0 FPO: 0 OEMS: No**

This course gives fire personnel guidelines for responding to gas emergencies. The program focuses on the use of Combustible Gas Indicators (CGI), and the wearing of SCBA and protective clothing. The course has been developed in cooperation with the local gas company.

### Structural Hazards

**Course Number: 435 Certificate Type: None**  
**Hours Total: 3 Classroom: 3 Practical: 0**  
**FCC: 0 FPO: 0 OEMS: No**

This course gives fire service personnel insight into structural hazards. The presentation teaches firefighters about common building defects in both old and new construction.

### Taking Action Against Cancer in the Fire Service

**Course Number: 422 Certificate Type: None**  
**Hours Total: 3 Classroom: 3 Practical: 0**  
**FCC: 0 FPO: 0 OEMS: Yes**

This course will provide information on immediate actions that all ranks from firefighter to chief can take to reduce the occupational cancer risk and how the nonprofit Firefighter Cancer Support Network can help firefighters cope with cancer. Participants will learn the importance of promoting a new culture of safety and fitness to help prevent cancer, heart disease, and injuries within their departments.

## Impact Online

*Impact Online* courses offer relatively short learning sessions that can be halted and resumed at any time, if called away at the firehouse, 24 hours a day, seven days a week. They can be viewed on mobile devices or on a laptop or desktop. Students can complete the course at any point during the semester, but must complete by the end of the semester.

The fall semester is July 1 through December 31 and the spring semester is January 1 through June 30.

Students may register for online course the same way that they register for any course.

### Chemical (“Detergent”) Suicide Awareness

**Course Number: 451 Certificate Type: None**  
**Online Hours: .5**  
**FCC: 0 FPO: 0 OEMS: No**

This program provide awareness level training to first responders about the growing phenomena of chemical (“detergent”) suicide and its potential extreme dangers. Key elements in the training are the recognition and identification of a potential “detergent” suicide and the procedures and personal protective equipment necessary to ensure firefighter safety and successfully operate at these incidents. This course is 30 minutes of online learning.

### Introduction to Transitional Fire Attack and Flow Paths

**Course Number: 452 Certificate Type: None**  
**Online Hours: 2**  
**FCC: 0 FPO: 0 OEMS: No**

This 2-hour self-guided online course introduces new scientific findings about modern fire behavior and tactical concerns from studies conducted by Underwriters Laboratory (UL) and the National Institute of Standards and Technology (NIST). The findings are from years of scientific testing of modern fuels and address the physics of combustion and flow paths of air. Participants in the studies included the Chicago Fire Department (CFD) and the Fire Department of New York (FDNY). The course is two hours of self-guided online learning.

**Prerequisite:** There are no prerequisites to take this course.

### Photovoltaics for the Fire Service

**Course Number: 453 Certificate Type: None**  
**Online Hours: 2**  
**FCC: 0 FPO: 0 OEMS: No**

Alternative electrical generation systems that convert solar energy to electricity are becoming prevalent in residences, industry and along highways. They are known as photovoltaic systems, or PV, and consist of solar panels and other electrical components that convert solar energy to electricity. Many residential systems are roof mounted and may present hazards during firefighting operations. Firefighters are now

very likely to encounter a PV system during firefighting or other emergency operations. This course will teach students to safely conduct firefighting and other emergency operations in and around PV systems. This course includes two hours of self-guided online learning.

**Prerequisite:** There are no prerequisites to take this course.

### Compressed Natural Gas Awareness

**Course Number:** 457

**Online Course Hours:** 2

**FCC:** TBD **FPO:** TBD **OEMS:** TBD

This program introduces students to the constantly changing compressed natural gas industry. The program covers CNG fueled vehicles, where they can be found, fuel tank construction and where the tanks may be stored. Recent developments in CNG transportation modules such as the Titan unit, will also be covered as well as: module construction, product controls, safety devices, compressor sites, and end-use facilities. Students will also learn common considerations for handling an incident including: product identification, multi-agency response, metering, venting and/or flaring and recovery. This ongoing course includes two (2) hours of self-guided online learning.

**Prerequisite:** There are no prerequisites to take this course.

### Emergency Responder Rehab

**Course Number:** 458

**Online Course Hours:** 2

**FCC:** TBD **FPO:** TBD **OEMS:** TBD

This program gives the student a working understanding of emergency responder Rehab protocol and answers these questions: who is Rehab for, how it is set up, and how is it done? It also focuses on the Massachusetts statewide treatment protocol and the proper documentation of responders who are *screened* versus those who are *treated* by trained EMS personnel in the Rehab area. This program is useful for all emergency responders regardless of their discipline. The ongoing course includes two (2) hours of self-guided online learning.

**Prerequisite:** There are no prerequisites to take this course.

