



Hazardous Materials Training Programs

Responding to hazardous materials incidents is a key responsibility of today's fire service. Our training programs provide all levels of hazardous materials response skills from operations-level responder through hazardous materials technician. We also offer specialty programs to enhance skills at all levels.

Counterterrorism Operational Program

Course Number: 239 Certificate Type: Attendance
Total Hours: 12 Classroom: 12 Practical: 0
FCC: 12 FPO: 12 OEMS: Yes

This program is designed for first responders as defined in Homeland Security Presidential Directive 8 (HSPD-8), and is compiled from national and international sources. The course covers historical information and recent trends in terrorism including: terrorist ideology, threat potential, weapon types, event recognition, and patient care. The program focuses on responder safety and victim survival. The goal of the course is to provide students with a thorough understanding of the complexities of a weapon of mass destruction (WMD) incident and how to favorably affect the outcome of an incident.

Hazardous Materials Incident Command System for Fire Officers

Course Number: 218 Certificate Type: Attendance
Total Hours: 18 Classroom: 18 Practical: 0
FCC: TBD FPO: TBD OEMS: No

This program trains fire officers to update the Fire Department ICS on scene with current Hazmat ICS needs and expectations. Students learn to run a safe incident. The program includes a discussion of new Hazmat concerns and the use of reference materials.

Hazardous Materials Operations Level Responder

Course Number: 207 Certificate Type: Attendance
Total Hours: 24 Classroom: 20 Practical: 4
FCC: TBD FPO: TBD OEMS: Yes

An Operations Level Responder responds to hazardous materials and weapons of mass destruction (WMD) incidents to protect people, the environment, and property from the effects of a release. This course educates firefighters in basic defensive strategies to safeguard their health and

safety when work involves potential exposure to hazardous materials. The 24-hour course includes classroom training and hands-on exercises. Case histories and exercises teach students to identify an emergency and plan a response. The course explains the different levels of Hazmat training and laws that govern response activities, and the differences between Hazmat incidents and other emergencies.

Hazardous Materials Operations Level Responder – Refresher

Course Number: 248 Certificate Type: Attendance
Total Hours: 4 Classroom: 2 Practical: 2
FCC: 4 FPO: 0 OEMS: Yes

This course is a refresher for those previously trained in the Hazmat-First Responder Operational (NFPA 472-2002) and Hazmat-Operational Level Responder (NFPA 472-2008 and NFPA 472-2013). The course reviews required NFPA-472, Chapters 4 and 5 competencies expected of a Hazmat-Operational Level Responder and bridges the gap between FRO and OLR previously trained fire/EMS and law enforcement personnel. The program does not cover mission-specific roles as outlined in NFPA 472-Chapter 6.

Hazardous Materials Operations Level Responder – Refresher

Course Number: 199 Certificate Type: Attendance
Total Hours: 8 Classroom: 4 Practical: 4
FCC: 8 FPO: 0 OEMS: Yes

This course is a refresher for those previously trained in the Hazmat-First Responder Operational (NFPA 472-2002) and Hazmat-Operational Level Responder (NFPA 472-2008 and NFPA 472-2013). The course reviews required NFPA-472, Chapters 4 and 5 competencies expected of a Hazmat-Operational Level Responder and bridges the gap between FRO and OLR previously trained fire/EMS and law enforcement personnel. The program does not cover mission-specific roles

as outlined in NFPA 472-Chapter 6. The program includes practical exercises including: emergency decontamination (personnel); RAM Decon setup; recognition and identification; metering techniques; placards and labels; containers; GHS; information retrieval; and information technology.

Hazmat Requalification/Reentry Program

Course Number: 204 Certificate Type: Completion
Total Hours: 40 Classroom: 25 Practical: 15
FCC: 0 FPO: 0 OEMS: Yes

This 40-hour program is for hazardous material technicians that are either being placed for the first time, or being returned to, a regional response team (if it has been more than a year since last involvement with a state team). The program focuses on many important parts of the original training. Students must be trained and certified to the level of Hazardous Materials Technician in order to be considered for the program. All students must pass written exams and practical evolutions, and attendance is mandatory for all 40 hours of the program.

Hazardous Materials Technician

Course Number: 217 Certificate Type: Completion
Total Hours: 305 Classroom: 100 Practical: 125
Online: 80
FCC: TBD FPO: 0 OEMS: Yes

This 305-hour, 6-week course trains Hazardous Materials-Operational Level Responders to the Hazardous Materials Technician level (NFPA 472-Chapters, 4, 5 and 7), OSHA 1910.120 and EPA 40 CFR 311.

Students are introduced to hazardous material field assessment and problem solving including: recognition of improvised explosive devices, advanced detection technologies, air monitoring, state-of-the-art software (Cameo/Aloha/Marplot), understanding radiation, basic chemistry, confined space assessments, rapid intervention for the Hazmat Tech, and hands-on activities. Topics to be covered include: the Hazmat management system, health and safety, incident command for Hazmat incidents, the eight-step process, site management, identifying the problem, hazard assessment and risk evaluation, selection of specialized protective clothing and equipment, information management, resource coordination, implementing response objectives, decontamination and terminating the incident.

Hazardous Materials Technician is a priority selection course. Applicants who are trained and Pro-Board certified to the level of first responder operational (NFPA 472) to the 2002, 2008 or 2013 standard will receive preferential selection. You must send proof of your Hazmat training history with your application. If you do not meet the criteria, please check our course listings online for available training or contact registration at (978) 567-3200 for advice on how to obtain the required training.

Note: To be eligible for the Pro-Board Hazardous Materials Technician certification exam, you must be nationally certified as a Hazardous Materials Operations Level Responder.

Statewide Massachusetts Decontamination Unit (8 hours)

Course Number: 229 Certificate Type: Attendance
Total Hours: 8 Classroom: 4 Practical: 4
FCC: 0 FPO: 0 OEMS: Yes

This 8-hour course teaches firefighters to operate the Massachusetts Decontamination Units (MDU). The program covers the basic principles of decontamination, prevention, chemical hazards, routes of exposure, and chemical protective clothing. Significant time is spent on operation of the heating system, tents, and other components. Students successfully completing this course will receive a CD with PowerPoint™ slides and student and instructor guides for use in training personnel within their fire departments.

Statewide Mass Decontamination Unit (4 hours)

Course Number: 200 Certificate Type: Attendance
Total Hours: 4 Classroom: 2 Practical: 2
FCC: 0 FPO: 0 OEMS: No

This 4-hour handoff program teaches firefighters to successfully operate the Massachusetts Decontamination Units (MDU). It covers the basic principles of decontamination, prevention, chemical hazards, routes of exposure, and chemical protective clothing. Significant time is spent on the operation of the heating system, tents, and other components. Students successfully completing this program will receive a CD with PowerPoint slides, a Student Guide and Instructor Guide for use in training personnel within their fire departments.

