

Advanced Firefighting Skills Training Programs (Formerly District Delivery)

Firefighters face daily challenges: running an aerial device in order to perform ventilation or a rescue; manning a pump at a fire scene; providing a water supply; handling a high voltage emergency; or an incident involving small aircraft. The Advanced Firefighter Skills programs train firefighters to face any emergency that comes their way.

Aerial Ladders

Course Number: 101 Certificate Type: Attendance
Hours Total: 12 Classroom: 6 Practical: 6
FCC: 0 FPO: 0 OEMS: No

This course provides students with the introductory knowledge to become a competent aerial apparatus operator. Day one of the course is a classroom introduction to concepts and theories of aerial operations. Day two of the course uses Massachusetts Firefighting Academy and local department aerial apparatus in practical hands-on application of classroom lessons. Classroom topics include safe driving, types of apparatus, positioning, stabilization and tactics. NOTE: This course alone will not produce expert aerial apparatus operators. The course does not address specific manufacturers' models of apparatus and operating procedures for them. Students must apply the basic learning from this course to hands-on practice with apparatus in their departments to build and maintain proficiency in aerial apparatus operations. Host departments may be required to provide aerial apparatus in combination with MFA vehicles for delivery of this course. Host departments must produce a current aerial ladder inspection and testing report, in accordance with NFPA standards, for each aerial apparatus to be used in the course.

High-Voltage Emergency Awareness

Course Number: EPN or EPT Certificate Type:
Attendance
Total Hours: 4 Classroom: 3 Practical 1
FCC: 0 FPO: 0 OEMS: No

This 4-hour presentation gives students an understanding of how a typical electricity supply and delivery system operates, how electricity behaves; the effects of high-voltage electricity on the human body, the differences and similarities in transmission and distribution lines, the hazards encountered when motor vehicle accidents involve energized lines, and

why all downed lines should be considered dangerous. The lecture portion of the class covers transmission and distribution systems, pole set ups, recognizing and minimizing hazards, vehicle accidents with downed lines, vehicle accidents with trapped people, touch potential and step potential, pole top transformer fires, electricity and structure fires, underground electrical emergencies, hazard identification, equipment problems, and environmental problems. The practical segment of the program uses the mobile prop to provide a close-up view of the various electrical components that challenge today's firefighters.

Large Diameter Hose

Course Number: 112 Certificate Type: Attendance
Hours Total: 12 Classroom: 6 Practical: 6
FCC: 0 FPO: 0 OEMS: No

This course covers scenarios related to the proper use of Large Diameter Hose (LDH). The evolutions are guidelines and instructors may vary them based on the needs of the class or sponsoring department. The course provides students with an understanding of the hydraulic characteristics of water and actual practical experiences using LDH and its accessories.

Motor Pump Operator

Course Number: 385 Certificate Type: Attendance
Hours Total: 48 Classroom: 18 Practical: 30
FCC: 0 FPO: 0 OEMS: No

This 6-day course addresses the objectives found in NFPA Standard 1002, Fire Apparatus Driver/Operator Professional Qualifications. Subjects include water supply, hydraulics, large diameter hose, hydrant operations, drafting, elevated streams and heavy appliance operations. The course also includes extensive hands-on evolutions and operations. The course does not include driver training.

NFPA Electric Vehicle Safety

Course Number: 137 **Certificate Type:** None
Hours Total: 6 **Classroom:** 6 **Practical:** 0
FCC: 0 **FPO:** 0 **OEMS:** No

This course provides firefighters and other first responders with the information to respond to emergencies involving the advanced electric and hybrid vehicles on the road today.

Protective Breathing Search and Rescue (4500)

Course Number: 117 **Certificate Type:** Attendance
Hours Total: 12 **Classroom:** 6 **Practical:** 6
FCC: 0 **FPO:** 0 **OEMS:** No

This 2-day course addresses all aspects of protective breathing. Subjects include: the necessity for protective breathing apparatus, general safety precautions, types of apparatus, basic maintenance, donning and packing procedures, and some search and rescue procedures.

Pumps and Hydraulics

Course Number: 102 **Certificate Type:** Attendance
Hours Total: 12 **Classroom:** 6 **Practical:** 6
FCC: 0 **FPO:** 0 **OEMS:** No

This course introduces firefighters to the operating principles of fire department pumps. In classroom sessions and practical evolutions students become familiar with the operation of booster and Class A pumps of single and multi-stage designs, including all operational controls and information systems. Practical sessions are conducted with state-of-the-art apparatus.

Rural Water Supply

Course Number: 115 **Certificate Type:** Attendance
Hours Total: 12 **Classroom:** 6 **Practical:** 6
FCC: 0 **FPO:** 0 **OEMS:** No

This 2-day course presents operational and logistical procedures for tanker shuttle operations. Students will learn fill operations, off loading, and traffic control for tanker shuttle operations. .

Small Aircraft Hazards – Procedures

Course Number: 124 **Certificate Type:** Attendance
Hours Total: 6 **Classroom:** 3 **Practical:** 3
FCC: 0 **FPO:** 0 **OEMS:** No

This course provides students with the information to handle aircraft emergencies. Students are exposed to the principles of fighting aircraft fires, identification of aircraft, and safety considerations for dealing with aircraft emergencies.

Vehicle Extrication

Course Number: 122 **Certificate Type:** Attendance
Hours Total: 12 **Classroom:** 6 **Practical:** 6
FCC: 0 **FPO:** 0 **OEMS:** No

This program teaches the skills and procedures to safely and efficiently remove trapped victims from a motor vehicle. It will focus on how to safely use extrication tools.



The Electrical Prop

is used to teach the High-Voltage Emergency Awareness program. This mobile prop provides a close-up view of the various electrical components that challenge today's firefighters.