

# *Industrial Training 2009*



## **ADVANCED EXTERIOR BRIGADE (18 HOURS) TC**

**PURPOSE:** This course is intended to provide essential training for personnel assigned to fire brigades seeking to meet NFPA 600 Advanced Exterior or Advanced Exterior/Interior Structural options. Building on the skills learned in Basic Brigade Skills, it allows the brigade member to fight more complex fires.

**CONTENT:** Storage Vessels, Flammable Liquid Firefighting, Flammable Gas Firefighting, Hazardous Materials Tactics and Firefighting Foam are covered in this course.

**AUDIENCE:** Any personnel who are currently serving on, or who will be assigned to an Advanced Exterior or Advanced Exterior/Interior Structural Brigade are encouraged to attend.

**PREREQUISITES:** Basic Brigade Skills

**CLASS LIMIT:** 75 Students

**EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **ADVANCED EXTERIOR BRIGADE CERTIFICATION (40 HOURS) TC**

**PURPOSE:** This course is intended to prepare the student for certification testing to achieve certification to the advanced exterior brigade member category of the NFPA 1081, Standard for Industrial Fire Brigade Member Professional Qualifications.

**CONTENT:** Safety; Personal Protective Equipment; Self-Contained Breathing Apparatus; Fire Behavior; Product Identification; Fire Extinguishers, Fixed Detection and Suppression Systems; Water Supply, Hose Streams and, Appliances; Master Streams; Firefighting Foam; Tactical Priorities and Considerations; and Ladders are covered in this course. At the conclusion of the course, students will complete both the written and practical tests for certification. Successful candidates will be certified to this section of the NFPA 1081 standard by the National Board on Fire Service Professional Qualifications (Pro Board).

**AUDIENCE:** Any Brigade member who wishes to be certified as an advanced exterior brigade member.

**PREREQUISITES:** None.

**CLASSLIMITS:** 10 minimum to 30 maximum **EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

**INTERMEDIATE BRIGADE SKILLS** (18 HOURS) TC  
HARD HAT AND GLOVES REQUIRED

**PURPOSE:** This course is intended to provide essential training for personnel assigned to Brigades seeking to meet NFPA 600 Standards for Interior Structural or Advanced Exterior Brigade. Building on the skills learned in Brigade I – Basic Brigade Skills, it bridges the gap between that course and the next level course.

**CONTENT:** Automatic Sprinklers, Hazardous Materials Awareness, Electrical Safety, Loss Control, Water Supplies, Detection Systems, Master Streams and RIT (Rapid Intervention Team) are covered in this course.

**AUDIENCE:** Any personnel who are currently serving on, or who will be assigned to an Interior Structural or Advanced Exterior Brigade may attend.

**PREREQUISITES:** Brigade I - Basic Brigade Skills

**CLASS LIMIT:** 60 Students

**EQUIPMENT NEEDED:** Hard hat, gloves and eye protection

**BASIC BRIGADE SKILLS**  
(24 HOURS) TC  
(This class starts at 8 a.m.)

**PURPOSE:** This course is the first step in our training program. It is designed to bring even the non-fire oriented industrial worker to a training level where they will be able to function as a useful member of the industrial emergency response team.

**CONTENT:** Fire Brigade Organization, Chemistry of Fire, Fire Extinguisher, The Incident Management System, Hose Handling/Appliances, Self Contained Breathing Apparatus, Interior Firefighting, Flammable Liquids Firefighting, and Flammable Gas Firefighting are covered in this course.

**AUDIENCE:** Any personnel who are currently serving on or who will be assigned to serve on a fire brigade are encouraged to attend.

**PREREQUISITES:** None

**CLASS LIMIT:** 60 Students    **EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

**BRIGADE FLAMMABLE LIQUIDS/GAS FIREFIGHTING REVIEW**  
(6 HOURS) TC

**PURPOSE:** This course is intended to provide hands-on refresher training for experienced personnel in the area of Flammable Liquids and Gases firefighting. It seeks to provide a source of practical firefighting not easily obtained on the plant site.

**CONTENT:** Subject areas included in this course are: Flammable Liquids Firefighting and Flammable Gas Firefighting.

**AUDIENCE:** Experienced Brigade members who are required to have refresher training in Flammable Liquids and Gas Firefighting are encouraged to attend.

**PREREQUISITES:** Basic Brigade Skills

**CLASS LIMIT:** 50 Students    **EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **BRIGADE LEADER** (18 Hours) TC

**PURPOSE:** This course is designed to develop leadership skills for brigade members who are serving in leadership positions. It acquaints the student with the supervisory skills necessary to direct a fire brigade emergency team during an in-plant emergency using an emergency management system. Students spend two of the three days of the course on the drill ground actually leading teams to control "emergencies" on our Structural, Flammable Liquids, and Flammable Gasses Pads.

**CONTENT:** This course is designed to teach team leader skills, principals of size-up, decision making in table top exercises, structural firefighting with student leaders, flammable liquids firefighting with student leaders and flammable gas firefighting with student leaders.

**AUDIENCE:** Experienced Fire Brigade members who are or will be assuming leadership roles during plant emergencies are encouraged to attend.

**PREREQUISITES:** Interior Structural Brigade; or Advanced Exterior Brigade.

**CLASS LIMIT:** 100 Students    **EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **BRIGADE STRUCTURAL FIREFIGHTING REVIEW** (6 HOURS) TC

**PURPOSE:** This course is intended to provide hands-on refresher training for experienced personnel in the area of structural firefighting. It seeks to provide a source of practical firefighting experience not easily obtained on the plant site.

**CONTENT:** Structural Firefighting is discussed in this course

**AUDIENCE:** Experienced Brigade members who are required to have refresher training in Structural Firefighting are encouraged to attend.

**PREREQUISITE:** Basic Brigade Skills

**CLASS LIMIT :** 50 Students

**EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **FIRST RESPONDER** (40 HOURS) TC (This class starts at 8:00 a.m.)

**PURPOSE:** This course is to provide the student with the basic life support skills and knowledge to assess, stabilize, and monitor the pre-hospital patient. This course is designed to meet DOT standards and prepares the student to take the National Registry First Responder Exam and if successfully completed, obtain a First Responder certification with a two year renewal.

**CONTENT:** This course consists of airway management, CPR, trauma management, medical emergencies, emergency operations, obstetrics, and pediatrics.

**AUDIENCE:** This course is intended for those individuals who respond to pre-hospital situations and must manage the patient until pre-hospital units arrive or the patient can be transferred to individuals with more advanced levels of training.

**PREREQUISITES:** None    **CLASS LIMITS:** Minimum 10; Maximum 35

## **INCIPIENT BRIGADE (12 HOURS) IS**

**PURPOSE:** This course is intended to meet or exceed the provisions of NFPA 600 for those facilities selecting the Incipient Brigade Option. It is a blend of classroom study and practical drillground evolutions. It is designed to enable even the non-fire oriented employee to successfully extinguish an incipient fire with a fire extinguisher or small diameter hose line.

**CONTENT:** Fire Brigade Organization, Fire Extinguisher, Hose Handling, Chemistry of Fire and Incipient Firefighting are covered in this course.

**AUDIENCE:** Any personnel who are currently serving on or who will be assigned to an Incipient Brigade are encouraged to attend.

**PREREQUISITES:** None

**CLASS LIMITS:** 50 students

**EQUIPMENT NEEDED:** Hard Hat, gloves and eye protection

## **INTERIOR STRUCTURAL BRIGADE (18 HOURS) TC**

**PURPOSE:** This course is intended to provide essential training for personnel assigned to fire brigades seeking to meet NFPA 600 Interior Structural or Advanced Exterior/Interior Structural options. Building on the skills learned in Basic Brigade Skills or Fire Brigade I, it takes the brigade member beyond merely the application of water or fire extinguisher agent. It enables the brigade member to fight larger, more complex fires and to learn additional critical fire emergency functions.

**CONTENT:** This course covers Automatic Sprinklers, Hazardous Materials Recognition, Electrical Safety, Salvage, Search and Rescue, Tactics and Structural firefighting.

**AUDIENCE:** Any personnel who are currently serving on, or who will be assigned to an Interior Structural or Advanced Exterior/Interior Structural Brigade are encouraged to attend.

**PREREQUISITES:** Basic Brigade Skills

**CLASS LIMIT:** 100 Students

**EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **SELF CONTAINED BREATHING APPARATUS/FIRE EXTINGUISHER REVIEW (6 HOURS) TC**

**PURPOSE:** This course is intended to provide refresher training and practice for personnel in the areas of SCBA and Fire Extinguisher.

**CONTENT:** This course consists of both classroom and drill ground sessions in Self Contained Breathing Apparatus.

**AUDIENCE:** Brigade or office personnel who need SCBA and extinguisher training.

**PREREQUISITES:** None

**LASS LIMIT:** 50 Students

**EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **SPECIAL FIRE BRIGADE TRAINING TC/IS**

**PURPOSE:** To enable brigade members to train together and to provide specialized training as needed to enhance Brigade Skills and/or knowledge in a customized format.

**CONTENT:** Self Contained Breathing Apparatus, Fire Extinguishers, Structural Firefighting, Flammable Gas Firefighting, Flammable Liquids Firefighting, Rescue Evolutions, Search and Rescue, Foam, Fire Brigade Organization, Hose Handling, Fire Protection Systems, Storage Vessels, Tactics, Theory of Structural Firefighting, Size Up, Leadership, Incipient Firefighting, Chemistry of Fire, Ventilation and Master streams are topics covered in this course.

**AUDIENCE:** General Fire Brigade Members

**PREREQUISITES:** Varies between subjects

**CLASS LIMIT:** Varies

**EQUIPMENT NEEDED:** Full PPE refer to page 2 in this catalog

## **INDUSTRIAL CONFINED SPACE RESCUE (24 HOURS) TC/IS**

Approved for 12 hrs of EMS – CEU's

**PURPOSE:** This course is designed to prepare industrial fire and rescue personnel to safely enter confined space areas to stabilize and remove victims.

**CONTENT:** "Hands-on-Training" to include raising and lowering of rescuer and victims in the confined space setting, through the use of ropes, rigging equipment, harness assemblies, and tripods. Evolutions include the use of air monitoring, in-line breathing, and first aid equipment. Practical evolutions utilizing "The Rescue Team Concept" will consist of horizontal and vertical rescue, underground rescue, and vessel-type rescues. OSHA 20 CFR 1910.146 will serve as a guideline.

**AUDIENCE:** This course is designed for fire, rescue and Ambulance personnel who may be required as a member of a fire brigade to perform in a confined space rescue.

**PREREQUISITES:** Basic Brigade Skills and a First Aid Course.

**CLASS LIMIT:** Minimum of 8; Maximum of 24

**EQUIPMENT NEEDED:** Confined Space Rescue Equipment refer to page 3 in this catalog

## **INDUSTRIAL CONFINED SPACE RESCUE REVIEW (18 HOURS) TC/IS**

**PURPOSE:** This course is designed to allow the Fire, Rescue, Ambulance and Brigade personnel that have been trained in Industrial Confined Space Rescue to refresh their knowledge and hands on skills.

**CONTENT:** A review of terminology, lock out tag out, legislated and reference materials. Atmospheric monitoring, psychological effects of confined space, preparation for entry and entry team considerations are also covered. This coupled with numerous rescue scenarios will allow the student to better prepare themselves for Industrial Confined Space Rescue.

**AUDIENCE:** Experienced Fire, Rescue, Ambulance and Brigade personnel are encouraged to attend.

**PREREQUISITES:** Industrial Confined Space Rescue

**CLASS LIMIT:** Minimum of 8; Maximum of 24

**EQUIPMENT NEEDED:** Confined Space Rescue Equipment refer to page 3 in this catalog

# *Hazardous Materials Training 2009*



## **HAZARDOUS MATERIALS TECHNICIAN CERTIFICATION COURSE**

**(40 HOURS) TC**

Approved for 40 hrs of EMS – CEU's

**PURPOSE:** This course is used to familiarize and train potential Emergency Response Team Members in regulations, suggested guidelines, procedures and techniques in mitigating a chemical release and/or spill on or off site. This course will address the training requirements of applicable occupational safety and health administration and national fire protection association at the Hazardous Materials Technician Level. The goal of the course is to allow for the student to safely and effectively respond to Chemical Emergencies and meets the required NFPA 472 Standard and 29 CFR 1910.120.

**CONTENT:** This course will provide information on the following subject areas: regulation overview, toxicology, chemistry of hazardous substances, pesticides, materials safety data sheets, incident command, department of transportation hazardous materials classifications, shipping documents, labels, placards and emergency guidebook, NFPA hazard identification system, incident assessment criteria, monitoring and instrumentation guidelines, chemical protective clothing, de-contamination, medical monitoring, non-bulk containers, patching of non-bulk containers, theory and use of chlorine a, b, & c and midland kits, cargo tank and van trailers, intermodal containers, rail cars, container damage assessment, transloading operations, flaring and/or emergency de-inventory operations, sorbents, spill confinement, fixed site emergencies, media relations and a review of selected hazardous materials terms and bibliographies. Throughout the class, students will be expected to demonstrate the application of specific theories, skills and techniques and successfully pass written quizzes and an examination with a grade of 70% or better.

**AUDIENCE:** This course is designed to provide education and experience to a newly designated Emergency Response Team member, with minimal training and experience in the Hazardous Materials Emergency Response field.

**PREREQUISITES:** None

**CLASS LIMIT:** 24 students

**EQUIPMENT NEEDED:** Work clothing and steel toe boots

## **HAZARDOUS MATERIALS TECHNICIAN REFRESHER COURSE**

(16 HOURS) TC Approved for 16 hrs of EMS – CEU's

**PURPOSE:** This course is provided to re-familiarize emergency response team members in guidelines, procedures and techniques in mitigating a chemical release and/or spill on or off site from a container. This course will address refresher training requirements of applicable occupational safety and health administration and national fire protection association at the hazardous materials technician level. The goal of the course is to allow for the student to safely and effectively respond to chemical emergencies.

**CONTENT:** This course will provide information on the following subject areas: Incident Command, Incident Assessment criteria, Monitoring and Instrumentation activities, Chemical Protective Clothing and Respiratory Protection, Decontamination and evolutions involving Non-bulk containers, Cargo Tank and Van trailers, Intermodal Containers and Rail Cars, Transloading Operations, Flaring and/or Emergency De-inventory Operations, Sorbents and Spill Confinement. Throughout the Class, students will be required to demonstrate the application of specific theories, skills and techniques.

**AUDIENCE:** This course is designed to provide continuing education and experience to Emergency Response Team members, who respond to Hazardous Materials Emergencies.

**PREREQUISITES:** DSFS HAZARDOUS MATERIALS TECHNICIAN COURSE or approved equivalent.

**CLASS LIMIT:** 24 students

**EQUIPMENT NEEDED:** Work clothing and steel toe boots

## **HAZARDOUS MATERIALS TECHNICIAN 24-HOUR COURSE**

(24 HOURS) TC Approved for 24 hrs of EMS – CEU's

**PURPOSE:** This course will teach the student to perform the procedures required to confine, contain, or control a hazardous materials problem within the capacity of the resources and personal protective equipment available. The student will be taught to perform hazard and risk assessment techniques necessary to mitigate a hazardous materials incident. Implementation of decontamination procedures will be a skill that the student should understand and carry out with a high degree of competence.

After attending the course, a student should be able to implement a safety plan and have a higher degree of knowledge concerning basic chemical, biological, and technical terminology and behavior.

**CONTENT:** The Hazardous Materials Technician 24 Hour Course is designed to bring all participants to a level of understanding, to assess, develop and implement an action plan to mitigate a Hazardous substance release. These include small packages, drums, totes, and various types of tank trucks, railcars and equipment within facilities.

Subjects include: Incident Management, Chemistry of Hazardous Substances, MSDS, Pesticides, DOT Hazardous Materials Classes, Shipping Papers, Placarding, Emergency Response Guidebook, NFPA 704 Hazardous Identification System, Air Monitoring, Protective Clothing, Decontamination, Medical Monitoring, Patching Small Containers, Van Trailers, Packing Segregation and Separation, Blocking and Bracing, Cylinders, Bulk Highway Trailers, Intermodal Portable Tanks, Rail Cars, Damage Assessment, Transload, Sorbents, Spill Confinement, Fixed Sites and Termination and Legal Considerations.

**AUDIENCE:** This course is designed for the Industrial Responder who has knowledge of hazardous materials. This course meets 29 CFR 1910.120(q) for Hazardous Materials Technician.

**PREREQUISITES:** All persons attending this course must be in good physical condition since all students will be required to participate in ALL course activities. Each student must be a participant in their Company's medical surveillance program complying with OSHA 1910.120, Section F and trained to operate and use Self Contained Breathing Apparatus (SCBA) addressed in OSHA 1910.134.

**CLASS LIMIT:** 24 students

**EQUIPMENT NEEDED:** Work clothing and steel toe boots