



HAZ-MAT OPERATIONS WITH PRACTICUM

Course Description:

This course will provide to first responders the information they need to take appropriate initial actions when hazardous materials spills or releases are encountered. Its scope is limited to giving detailed information about the initial defensive operations. The course addresses the first responders' responsibilities to recognize the presence of hazardous materials, secure the area, provide personnel protection, and request the assistance of trained technicians. Additionally, it addresses the control of hazardous materials releases from a safe distance using defensive operations.

During the Practicum portion of the class, there will be eight hours of hands-on training based KCTCS Fire/Rescue Training Skills Sheets. While in this class, the students may work through and get the skill sheets to receive the credit for the skills portion of the IFSAC Accredited examination and certification process.

Prerequisites: Hazardous Materials Awareness

Textbook: IFSTA Awareness Level for Hazardous Materials, 2nd Ed.

Class length: 24 hours

Textbook Chapters:

Lesson 1 – Hazardous Materials Regulations
Lesson 2 – Hazardous Materials Properties & Hazards
Lesson 3 – Hazardous Materials Identification
Lesson 4 – Incident Management Elements
Lesson 5 – Strategic Goals and Tactical Objectives
Lesson 6 – Personal Protective Equipment
Lesson 7 – Contamination and Decontamination
Lesson 8 – Incident-Specific Strategies and Tactics
Lesson 9 – Terrorist and Other Criminal Activities

Skill Sheets necessary to complete the Practicum:

Skill 5-1 - Perform Emergency Decontamination
Skill 5-2 - Operate at Haz Mat/WMD Incident
Skill 6-2A - Donning, Working in and Doffing PPE
Skill 6-6a - Absorption of Spilled Hazardous Materials
Skill 6-6b - Adsorption of Spilled Hazardous Materials
Skill 6-6c - Damming Spilled Hazardous Materials
Skill 6-6d - Diking of Spilled Hazardous Materials
Skill 6-6e - Diluting Spilled Hazardous Materials
Skill 6-6f - Diverting Spilled Hazardous Material
Skill 6-6g - Retaining Spilled Hazardous Material
Skill 6-6h - Remote Valve Shutoff
Skill 6-6i - Dispersion of Hazardous Vapors
Skill 6-6j - Suppression of Hazardous Vapors