

COURSE TITLE:		Hazardous Materials Safety Officer (Online)		Course No. & Version:	HAZ0390 2020
TOPIC AREA:		Hazardous Materials		LEVEL:	Technician
SOURCE:	Internal		Course No.	HAZ0390	
PRIMARY DOMAIN:	<input checked="" type="checkbox"/> Didactic <input type="checkbox"/> Psychomotor <input type="checkbox"/> Combination				
DELIVERY METHOD:	100 % Distanced Instructor led both synchronous and asynchronous				
DURATION:	4 weeks	SCHEDULING:	Four – 1 Week Modules		
PROGRAM GOAL:	Upon completion of this program, the Hazardous Materials Technician shall be able to support the Incident Safety Officer by performing the functions of a Hazardous Materials Safety Officer. The course participant shall be able to analyze hazards and risks to personnel, develop an ICS 215A and ICS 208HM Site Safety and Control Plan, support the development of an incident action plan, implement the safety aspects of the IAP related to the Hazardous Materials Group/Branch operations, monitor scene activities, take appropriate corrective measures and ensure that the hazmat incident is properly terminated. Activities conducted during this program will address incidents involving both fixed and transportation related emergencies.				
TARGET AUDIENCE:	Hazardous Materials Technicians meeting the requirements of NFPA 472 Chapter 11.1 who, in the performance of their duties, could be assigned the role of Hazardous Materials Safety Officer (NIMS Assistant Safety Officer Hazardous Materials) during a hazardous materials incident.				
COURSE DESCRIPTION:	This four-week online program provides the Hazardous Materials Technician with the knowledge and skills to effectively serve as Hazardous Materials Safety Officer. Through a series of online activities, assignments, forum discussions and required attendance live webinars, the participants are provided with information concerning their expected roles during the analysis, planning, implementation, monitoring and termination phases of the event.				
MAX STUDENTS:	24		MAX INST. RATIO:	1:12	
STANDARDS ADDRESSED:	OSHA 29 CFR 1910.120(q) NFPA 472 "Competencies for Responders to Hazardous Materials/WMD Incidents" Chapter 11 "Competencies for Hazardous Materials Safety Officers"				
APPROVALS					
Organization	No. / Date		Conditions		
FSFC	10/15/15		Traditional Course Number RN11306 (now ATPC 16351)		
FSFC	5/8/20		Online Course Number ATPC 16531		
NOTES	An optional task book for use by the participant's employer is provided as part of the program.				

HAZARDOUS MATERIALS SAFETY OFFICER

Program Goal

Upon completion of this program, the Hazardous Materials Technician shall be able to support the Incident Safety Officer by performing the functions of a Hazardous Materials Safety Officer. Using fixed facility and transportation related scenarios, the course participant shall be able to analyze hazards and risks to personnel, develop a site safety and control plan, support the implementation of the plan, monitor the scene activities for deviation from the safety plan, and support the proper termination of the incident.

Program Description

This four-week online program provides the Hazardous Materials Technician with the knowledge and skills to effectively serve as Hazardous Materials Safety Officer. Through a series of online activities, assignments, forum discussions and required attendance live webinars, the participants are provided with information concerning their expected roles during the analysis, planning, implementation, monitoring and termination phases of the event

Target Audience Considerations

This program is intended for Hazardous Materials Technicians as defined by NFPA 472 who, in the performance of their duties, could be assigned the role of Hazardous Materials Safety Officer (NIMS Assistant Safety Officer Hazardous Materials) during a hazardous materials incident.

Prerequisite

Participants shall be trained to the level of Hazardous Materials Technician and meet the training requires of NFPA 472 Chapters 4 Awareness, 5 Operations, 6 Operations Level Mission Specific and 7 Hazardous Materials Technician.

EDUCATIONAL OBJECTIVES

Analysis: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall observe a scene, review and evaluate hazard and response information as it pertains to the safety of all persons within the hazardous materials branch/group.

Planning: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall assist the hazardous materials branch director or group supervisor in developing a site safety and control plan to respond within the capabilities of available response personnel, personal protective equipment, and control equipment.

Plan Implementation: Given a scenario involving hazardous materials/WMD incidents, the hazardous materials safety officer shall perform the duties of the position in a manner consistent with the emergency response plan and/or standard operating procedures.

Evaluating Operations: Given scenarios involving hazardous materials/WMD incidents and given deviations from the site safety and control plan for activities in both the hot and warm zones and dangerous conditions, the hazardous materials safety officer shall evaluate the progress of the planned response to ensure that the response objectives are being met safely.

Terminating the Incident: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall complete and submit the reports, documentation, and follow-up required of the hazardous materials safety officer and shall:

SCHEDULE

WEEK 1

- Module 0 – Program Introduction
Welcome
Activity 0.1 – Large Group Forum Student/Instructor Introductions
Course Syllabus and Schedule
LMS
Live Webinar – Welcome and webinar test
- Module 1 – Role of the Hazardous Materials Safety Officer
Definition and Roles
Safety Officer Job Aid
Responsibilities
Activity 1.1 – Small Group Forum Evaluation of the Standard of Care
Individual written assignment
Assignment 1.2 Pre-Incident Planning and Case Study
Individual written assignment

WEEK 2

- Module 2 – Analyzing the Incident
Safety Officer Job Aid
Product
Activity 2.1 – Small Group Forum Five Chemical Comparative Analysis
Live Webinar – Evaluation of Product Hazard Analysis
Container
Assignment 2.2 – Container Safety Hazard Analysis
Activity 2.3 – Container Hazard Scenario
Environment & Cause
Activity 2.4 – Scene Hazard Analysis

WEEK 3

Module 3 – Planning the Response
Safety Officer Job Aid
Credentials and Competencies
Managing Risks
Managing the ICS 215A and 208HM
Activity 3.1 & 3.2 Hazard Analysis and Risk Assessment
Personal Protective Equipment
Activity 3.3 & 3.4 Evaluating PPE and Risks of Control Measures
Decontamination
Medical Aspects of Response
Live Webinar – Developing the ICS 208HM

WEEK 4

Module 4 & 5 – Implementation, Monitoring and Terminating
Safety Officer Job Aid
Pre-Entry Check List
Pre-Entry Briefing
Activity 5.1 Pre-Entry Considerations
Monitoring Operations
Activity 5.2 Suspend, Alter or Terminate
Live Webinar - Activity 5.3 Capstone Activity

Program Summary
Use of the Hazardous Materials Safety Officer Task Book
Exit Evaluations