

HAZWOPER Specialist Level

Course Outline

Prerequisites: The delegate should have valid HAZWOPER Technician Level Training.

Course Length – 8-16 hours - Course length shall vary depending on the number of delegates. Total course time include breaks.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session and twenty (20) in the practical session. A second instructor shall be added for the practical session once the participation exceeds twenty (20).

Course Objective

- Provide formal class instruction to describe the requirements and related information that a HAZMAT trainee must possess in order to become a competent “HAZMAT Specialist” level employee.
- Provide the training and certification to individuals that have a desire and can demonstrate the formal skills necessary to become a HAZMAT Specialist.
- Learn the importance and reasons for proper communication with varies news media agencies concerning a facility incident.
- Learn the duties and responsibilities of the Incident Commander and associated incident or emergency response personnel.
- Delegates should be able to demonstrate the necessary skills during practical examination and demonstrate knowledge during written examination.

Course Design

- Power Point© / Lecture / Audio Video / Visual Aids
- Practical Exercises

Successful Course Completion

- Requires a minimum score of 75% or better.
- Delegates will have no more than thirty (30) minutes to complete the exam.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- Successful completion of practical session is mandatory.

Course Content Summary

- Classroom
- Practical's



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Breaks: 10 minutes (approximately every hour)

Lunch: 1 Hour

Course Outline

HAZMAT Regulations

- OSHA
- Department of Transportation (DOT)
- Environmental Protective Agency (EPA)
- Other Corresponding Agencies
 - Coast Guard
 - Bureau of Safety and Environment Enforcement (BSSE)
 - Department of Environmental Quality (DEQ)
- EPA Regulations
 - SARA/EPCRA (Emergency Planning and Community Right to Know Act)
 - RCRA (Resource Conservation & Recovery Act)

HAZMAT Risk Factors

- Managing the Risk
 - Prevention
 - Preparedness
 - Response
 - Recovery
- Managing the HAZMAT Scene
 - Hot Zone
 - Warm Zone
 - Support Zone
- Safe Practices
 - Hot Zone
 - Warm Zone
 - Support Zone

Incident Command

- Incident Commander
 - Criteria Description
 - Duties and Responsibilities
- Staging Officer
 - Duties and Responsibilities
- Basic Fundamentals
- Incident Command Structure
 - Example Structure



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- Basic Procedures
- Mobile Command Center
- Fixed Command Center

Media Management

- Public Information Officer (POI)
 - Criteria Description
 - Duties and Responsibilities
 - Proper release of information
- Medial Management
 - Media Staging Area
 - Media Planning and Updating
 - Media Communication
 - Coordinating/planning information release
 - Releasing accurate information

HAZMAT Management

- Medical Surveillance Criteria
- Emergency Response Plan (ERP)
 - Purpose
 - Escape Procedures
 - Company Requirements
 - Plan Content
 - Alarm Systems
 - Rescue & Medical Duties
 - Accounting for Employees
 - Response of Critical Personnel
 - Employee on HAZMAT Teams
 - Recognition
 - Evaluation
 - Control
 - Information
 - Safety
- Safety & Health Plans
- Hazard Monitoring Checklists
- Hazard Monitoring Procedures
- Air Monitoring
 - Oxygen Content
 - Combustible Gas
 - Toxic Atmosphere
- Areas that Require Air Monitoring



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- **Chemical Protective Suits – Health Hazards**
 - Heat Rash
 - Heat Cramps
 - Heat Exhaustion
 - Heat Stroke
 - Combating Heat Stress
 - Heat Stress Signs/Symptoms
 - Treating Heat Stress
 - Minimum vital signs to wear a chemical suit
 - Environmental heat requirements to wear a chemical suit
 - Water consumption requirements

Practical Session:

Practical training shall utilize a table top scenario which allows for open discussion involving individual company procedures for a similar incident.

Practical shall verify the following:

- Properly select and wear appropriate PPE during practical training
- Inspect and identify damaged tools/PPE
- Effectively don all required PPE
- Implement Emergency Response Plan and establish an Incident Command
- Respond to a spill and implement response containment
- Use tools and equipment to properly neutralize a hazardous waste cleanup
- Properly utilize decontamination equipment
- Properly navigate all decontamination stations
- Ability to properly dispose of all contaminated PPE and HAZMAT Tools

Training Center Provided Material

- Course materials
- Practical Equipment

Delegate Requirements

- None

Reference Material / Documents

OSHA 29 CFR 1910.120 – HAZWOPER Standard
OSHA 29 CFR 1910.38 – Emergency Response (Action) Plans
EPA 40 CFR 311 – Worker Protection
EPA 40 CFR 112 – SPCC Plans/Facility Response Plans
EPA 40 CFR 372 – SARA/EPCRA Requirements
EPA 40 CFR 68 – Risk Management Program



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EPA 40 CFR 264-265 – Contingency Planning Requirements
EPA 40 CFR 279 – Used Oil Management Standards
EPA 40 CFR 280 – Underground Storage Tank Standards