



# HAZWOPER Annual 8-Hour Refresher for Engineers and Scientists™

## Course Description



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## HAZWOPER Annual 8-Hour Refresher for Engineers and Scientists™ (29 CFR 1910.120)

In compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120, this 8-hour annual training is to recertify individuals who have already taken the 40-hour or 24-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training. The 8-hour annual refresher-training course can be taken on-line while complying with the OSHA regulations.

**While this training course is very comprehensive, we highly recommend that additional site-specific training be taken for certain hazardous materials that may be encountered at different sites.**

### Course Objectives:

- Describe training and other requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER) workers.
- Describe various types of hazardous substances.
- Define toxicity and describe factors that affect it.
- Describe hazardous substance labeling requirements and standards.
- Describe factors associated with respiratory protection.
- Describe various types of and selection criteria for personnel protective equipment.
- Describe decontamination guidelines and methods.
- Describe proper handling of drums and other hazardous waste containers.
- Recognize results of mixing incompatible chemicals and list examples of various incompatible chemicals.
- Take the HAZWOPER Certification exam.

### Table of Contents

- Module 1 - Overview of Pertinent Environmental Regulations
- Module 2 - Hazard Recognition Part 1
- Module 3 - Hazard Recognition Part 2
- Module 4 - Toxicology Part 1
- Module 5 - Toxicology Part 2
- Module 6 - Placards and Labeling
- Module 7 - Respiratory Protection Part 1
- Module 8 - Respiratory Protection Part 2
- Module 9 - Personnel Protective Equipment
- Module 10 - Decontamination Part 1
- Module 11 - Decontamination Part 2
- Module 12 - Work Zones
- Module 13 - Handling Drums
- Module 14 - Other Containers and Incompatible Chemicals
- Module 15 - Confined Space Entry
- Module 16 - Air Monitoring Part 1



Module 17 - Air Monitoring Part 2  
Module 18 - Air Monitoring Part 3  
Module 19 - Air Monitoring Part 4  
Module 20 - Air Monitoring Part 5  
Module 21 - Air Monitoring Part 6  
Module 22 - Hazardous Material Sampling Part 1  
Module 23 - Hazardous Material Sampling Part 2  
Module 24 - Groundwater Sampling  
Module 25 - Heat Stress  
Module 26 - Heat Disorders and Health Effects  
Module 27 - Engineering Controls  
Module 28 - Administrative Controls and Work Practices  
Module 29 - Excavations  
Module 30 - OSHA Soil Classification System  
Module 31 - Requirements for Protective Systems  
Module 32 - Shoring and Shielding Systems

HAZWOPER 8-Hour Annual Refresher Certification Exam