



Safety Series - 1.5 CEUs*

The modules in the Safety series begin by providing an overview of common industrial facility hazards and protective systems, including the areas of a facility where these hazards may be encountered. These modules also introduce fire and electrical safety practices, as well as discuss topics such as hazardous communications, lockout/tagout, industrial signage, and personal protective equipment.

Safety - 1.5 CEUs

Industrial Facility Safety

- Common Hazards Encountered in Industrial Facilities
- Dangers Associated with Electrical Current and Voltage
- Common Industrial Systems Installed for Personnel and Equipment Protection

Electrical Safety

- Electrical Shock and Arc Flash
- Emergency Response Actions
- Electrical Safeguarding
- Electrical Personal Protective Equipment
- De-Energizing Electrical Equipment

Personal Protective Equipment

- Personal Responsibilities
- Industrial Personal Protective Equipment
- Care, Use, and Inspection of Personal Protective Equipment
- Effects of Using Defective Personal Protective Equipment

Fire Safety and Prevention

- Fire Tetrahedron
- Common Classes of Fire
- Fire Prevention Techniques
- Extinguishing Fires

Industrial Signage

- Common Industrial Signs
- Hazard Identification Color Code
- Industrial Floor Marking Code

Lockout/Tagout

- Purpose of a Lockout/Tagout Program
- Principles of a Lockout/Tagout Program
- Lockout/Tagout Devices
- Authorized Employee Responsibilities

Hazardous Communications

- Importance of Hazardous Communication
- Hazardous Communication Requirements
- Use of Hazardous Communication Programs

Environmental Awareness

- Environmental Issues and Industry
- Environmental, Health, and Safety Regulations
- Priority Pollutants
- Minimizing Pollution

Hazardous Materials

- Common Hazardous Materials
- Handling and Disposal Procedures
- Safety Precautions and Regulations

Benzene Awareness

- What is Benzene?
- Benzene Awareness Training
- What Are the Health Risks

H2S Awareness

- Hydrogen Sulfide Awareness
- Hazardous Properties of H2S Gas
- Health Effects of H2S Exposure

**CEUs are calculated and awarded at the subject area level. Series level totals are to show the available amount of CEUs that can be earned for completing all subject areas in a particular series.*

Confined Spaces

- Confined Space Hazards
- Safety in Confined Spaces

HAZWOPER Awareness

- Scope and Definitions
- Safety and Health Program
- Site Characterization and Analysis
- Monitoring and Surveillance
- Emergency Response

First Aid I

- First Aid Kits
- Evaluating Injured or Ill Persons
- Controlling External Bleeding
- Head, Neck and Spinal Injury Care

First Aid II

- Poisoning
- Treatment of Choking
- Performing CPR
- AED Operation
- Stroke Symptoms

Bloodborne Pathogens

- Coverage and Risk
- Exposure Control Plan
- Engineering and Work Practice Controls
- Hepatitis B Vaccination
- Training

Crane Safety

- Definitions
- Overview of Cranes
- Crane Hazards
- Rigging Equipment
- Crane Operation, Inspection and Training

Exit Routes, Emergency Action, and Fire Prevention Plans

- Definitions
- Design and Construction Requirements
- Maintenance, Safeguards, and Operational Features for Safe Routes
- Emergency Action Plans
- Fire Prevention Plan

Fall Protection

- Fall Protection Options and Planning
- Personal Fall Protection Systems
- When Fall Protection is Needed

Machine Guarding

- Machine Accidents
- Methods of Machine Safeguarding
- Other Examples of Machine Guarding and Training Requirements

Materials Handling

- Manual Handling and Safe Lifting
- Mechanical Material Handling Equipment
- Storing Materials

Safety and Health Program

- Benefits and Major Elements of an Effective Safety and Health Program
- Management Commitment and Employee Involvement
- Worksite Analysis
- Hazard Prevention and Control
- Safety and Health Training

Walking and Working Surfaces

- General Requirements
- Floor, Roof, and Other Openings
- Stairs and Ladders
- Scaffolding and Other Working Surfaces

Asbestos

- Asbestos Overview
- Protecting Workers from Asbestos Hazards

Back Safety Ergonomics

- Back Safety Overview
- Overview of Ergonomics
- Solutions to Control Hazards
- Training and Enforcement

GHS

- GHS Overview
- Classification
- Hazard Communication

Lead - Overview for General Industry

- Lead Overview
- Lead Exposure
- Protecting Workers from Lead Hazards

Lead - Overview for Base Construction

- Lead Overview
- Lead Exposure
- Lead-Based Paint Hazards and Regulations
- Protecting Workers from Lead Hazards

Toxic Substance Control TSCA

- TSCA Overview
- TSCA Compliance Assistance
- TSCA Compliance Monitoring
- Cleanup Enforcement

Walking and Working Surfaces

- General Requirements
- Floor, Roof, and Other Openings
- Stairs and Ladders
- Scaffolding and Other Working Surfaces

Worker Safety Documents & The Qualified Electrical Worker

- Worker Safety Documents
- Qualified Electrical Worker

Electrical Hazards and The Electrical Safety Program

- Definitions
- The Electrical Safety Program
- Primary Hazards of Electricity

Electrical Work, Safe Work Area, and Other Precautions

- Definition of Electrical Work
- Electrically Safe Work Condition
- Establishing a Safe Work Condition
- Additional Precautions

PPE Other Equipment and Shock Rescue

- Insulated Rubber Gloves
- Arc Flash Protective Clothing
- Other Arc Flash Protective Equipment
- Shock and Shock Rescue Actions

Spill Prevention, Control and Countermeasures

- Spill Prevention, Control, and Countermeasure Plans
- Facility Response Plan
- Regulations
- Containment
- What Should I Do If I Have a Spill?