



HSE273

Construction Safety

Course Introduction:

The OSHA Construction Industry Training course is a comprehensive safety program designed for anyone involved in the construction industry. Specifically devised for safety officers, directors, foremen, and field supervisors; the program provides complete information on OSHA compliance issues. OSHA recommends Outreach Training Programs as an orientation to occupational safety and health for workers covered by OSHA 29 CFR 1926. Construction workers must receive additional training, when required by OSHA standards, on specific hazards of the job.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- Explain the importance of OSHA in providing a safe and healthful workplace to workers covered by OSHA
- Recognize how management plays a role to create a healthy and safe work environment through safety and health programs, worksite analysis to identify potential hazards on site, and levels of controls used to control exposure to hazardous materials and situations
- Recognize the appropriate PPE to use based on a workplace evaluation and the types of hazards present
- Identify safe work practices for electricity, including recognizing electrical terms, basic electrical safety principles, and electrical safety regulations
- Recognize types of fall hazards and how to prevent falls in your work environment by using appropriate fall protection
- Recognize the types of scaffolds and how to safely use them
- Identify the safety requirements for working with or near cranes including how to avoid accidents and how to recognize hazards
- Identify the OSHA safety requirements for construction operations involving concrete and masonry
- Recognize the OSHA safety requirements for steel erection activities
- Recognize the role ergonomics plays in helping construction workers avoid work-related MSDs and identify how to avoid on-the-job injury when performing different types of activities

Who Should Attend?

This course is intended for achieving level of a construction safety officer, construction supervisors, entry level construction workers and for individuals who are either new to the construction industry or have not had formal construction safety training.

Course Outline:

Day 1:

Pre-Test

- **Module 1:** Introduction to OSHA and the OSH Act
- **Module 2:** Recordkeeping
- **Module 3A:** Basic Safety Orientation
- **Module 3B:** General Safety and Health Provisions
- **Module 4:** Health Hazards: Hazard Communication

Day 2:

- **Module 5:** Health Hazards: Hazardous Materials
- **Module 6:** Process Safety Management: (PSM)
- **Module 7:** Personal Protective Equipment
- **Module 8:** Fire Protection
- **Module 9:** Materials Handling and Storage

Day 3:

- **Module 10:** Hand and Power Tools
- **Module 11:** Welding and Cutting
- **Module 12:** Focus Four: Electrical Safety
- **Module 13:** Focus Four: Struck-By and Caught in Between Hazards
- **Module 14:** Focus Four: Fall Protection

Day 4:

- **Module 15:** Cranes and Rigging
- **Module 16:** Motor Vehicles
- **Module 17:** Excavations
- **Module 18:** Concrete and Masonry Construction
- **Module 19:** Stairways and Ladders

Day 5:

- **Module 20:** Confined Spaces
- **Module 21:** Lead Safety in the Workplace
- **Module 22:** Use of Explosives in the Workplace
- **Module 23:** Scaffolds

Post Test

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per the course location. This rate includes participant's manual, Hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20 Morning Coffee/Tea

08:20 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

