

Hazardous Work Zones: Implementing Occupational Safety I



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Course Description

Construction is a high hazard industry that comprises a wide range of activities involving construction, alteration, and/or repair. Examples include residential construction, bridge erection, roadway paving, excavations, demolitions, and large scale painting jobs. Construction workers engage in many activities that may expose them to serious hazards, such as falling from rooftops, faulty ladders, unguarded stairs and scaffolds, and improperly designed egress routes. OSHA safety standards are designed to reduce on-the-job injuries; health standards to limit workers' risk of developing occupational disease. This three hour ***online video course*** is designed to assist those in the industry to identify, reduce, and eliminate construction-related hazards.

After completing this course participants will be able to:

- Recognize the role of OSHA in the workplace and describe the causes of the most common workplace injuries.

- Identify the hazards that prompt the use of fall protection for workers at the jobsite.
 - Outline at least three procedures that must be followed in order to control and minimize workplace hazards.
 - Create a working emergency action and fire prevention plan.
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COURSE OUTLINE

Chapter 1- Introduction

*** *Learning Objectives:*** 1) Recognize the role of OSHA in the workplace 2) Distinguish between employer and employee rights and responsibilities 3) Know the employer record keeping responsibilities.

- A. Role of OSHA
- B. Record Keeping
- C. Employee/Employer Rights & Responsibilities
- D. Inspections
- E. OSHA Resources

Chapter 2 - Personal Protective Equipment

*** *Learning Objectives:*** 1) Describe the causes of the most common workplace injuries 2) Name the Personal Protective Equipment (PPE) most often used to protect workers.

- A. Protecting Employees
- B. Head Injuries
- C. Eye Protection
- D. Hearing Protection
- E. Foot Protection
- F. Hand and Body Protection

Chapter 3 - Falls in Construction

***Learning Objectives:** 1) Describe methods of fall protection available to workers. 2) Identify the hazards that prompt the use of fall protection for construction workers.

- A. Fall Protection
- B. Personal Fall Arrest Systems
- C. Guardrails and Safety Nets
- D. Skylights and Other Openings
- E. Excavations
- F. Roofs
- G. Training
- H. OSHA's Fall Protection Policies for Residential Construction Video

Chapter 4- Stairways and Ladders

***Learning Objectives:** 1) Describe safety guidelines and requirements for stairways used at a construction site. 2) List safe practices and requirements for ladders used at a construction site.

- A. Stairs/Dangers
- B. Ladder Safety
- C. Assembly & Use

Chapter 5 - Scaffolds

***Learning Objectives:** 1) Recognize the hazards associated with different types of scaffolds. 2) Understand the procedures that must be followed in *order to control and minimize those hazards*.

- A. Types/Hazards
- B. Fall Protection
- C. Safe Scaffold Construction
- D. Types of Scaffolds
- E. Inspections/Training
- F. Assembly & Use

Chapter 6 - Egress/Fire Protection

****Learning Objectives:*** 1) Describe OSHA requirements for proper fire prevention, egress, and equipment. 2) Be able to create a working emergency action and fire prevention plan.

- A. Emergency Action Plans
- B. Exits
- C. Fire Prevention
- D. Equipment & Training

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