



Safety and Rescue Training  
for high-hazard work activities

**Confined Space  
Fall Protection  
Excavation  
Forklift**

## Confined Space Rescue > Operations LOW ANGLE

This course teaches students how to conduct a variety of low angle rescues in permit-required confined spaces. Low angle rescues are defined as those in which the ground supports the rescuers and patient. The operations may require lifting or sliding the patient along steep angles or lifting them using an engineered retrieval system (e.g., man winch) on a tripod or davit arm.

To perform these operations safely, rescuers must develop pre-plans, conduct practice rescues, inspect and maintain equipment, and coordinate with other emergency responders.

This class usually requires eight hours.

**Prerequisites:** Before attending this class, students need to have completed confined space entrant/attendant training.

### Course Outline

#### Introduction

- Course Objectives
- Industrial Rescue Defined

#### Types of Confined Space Rescues

- Low Angle/Steep Angle
- Retrieval Operations

#### Rescue Team Structure

- ICS Roles and Responsibilities

#### Pre-Plans

#### Rescue Systems

- Anchors
- Tripods and Davit Arms
- Communications

#### Rescue Knots

- Knot Characteristics
- Figure 8
- Figure 8 on a Bight

#### Rescue Procedures

- Scene Safety
- Rescue Zones
- Patient Care
- Patient Packaging
- Patient Movement

#### Safety Procedures

- Risk/Benefit Analysis
- PPE

#### Skills Assessment

### Course Objectives

At the completion of this training, students should be capable of serving as a member of their location's confined space rescue team.

This includes:

- Displaying a consistent commitment to safety.
- Performing the assigned rescue role.
- Selecting, inspecting, and using equipment according to requirements.
- Knowing and enforcing all safety procedures.
- Participating in continuous improvement processes.
- Understanding and following the team's rescue procedures.

Our programs reflect:

**ANSI/ASSE Z490.1** *Criteria for Accepted Practices in Safety, Health, and Environmental Training*

