



**Safety and Rescue Training**  
for high-hazard work activities

**Confined Space  
Surface Mines  
Excavation  
Tower**

## Tower Rescue > Operations

This course teaches students how to perform organized, systematic rescues from a variety of towers including wind turbines, radio, radar, microwave, water, and lighting structures.

Participants learn the procedures and systems required for stabilizing and lowering patients and will have ample opportunity to use their skills and knowledge in simulated rescue situations.

Because each workplace has its own unique hazards, the scenarios, enactments, and equipment are tailored to each industrial site.

**Prerequisites:** Students who attend this class must have previously completed fall protection user training.

### Course Objectives

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

1. Describe how the construction of various towers affects their rescue procedures.
2. Develop and follow a rescue pre-plan.
3. Summarize the use of various types of tower rescue equipment and systems.
4. Use, store, and maintain their rescue equipment according to manufacturer's requirements.
5. Tie all required knots/hitches.
6. Rig a variety of patient lowering systems.
7. Use all required knowledge and skills in practice rescues and scenario-based drills.

### Course Outline

#### Orientation

- Basic Fall Protection

#### Rescue Hazards

- Electrocutation
- Entanglement

#### Rescue Equipment

- Carabiners, Pulleys, Ascenders, Descenders
- Specialty Equipment
- Software—Rope and Webbing
- Inspection and Care

#### Knots and Hitches

#### Rescue Systems

- Friction Lowering Systems
- Mechanical Advantage Systems

#### Rescue Procedures

- Pre-Planning
- Rescue Methods and Decision Factors

#### Practice Rescues

Our programs reflect:

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

