



Safety and Rescue Training  
for high-hazard work activities

**Confined Space  
Surface Mines  
Excavation  
Tower**

## Trench Rescue > Operations

This three-day course reflects NFPA guidelines for Operations-level trench rescue training. It is appropriate for fire departments as well as work crews operating in areas where the local emergency responders have limited or no ability to respond to a trench accident in a timely fashion.

**Prerequisites:** Before taking this class students need to have completed Excavation Safety Competent Person training. Specifically they must be able to apply tabulated data when using engineered cave-in protection systems, calculate lateral earth pressure, identify trench collapse patterns, and identify/manage hazards posed by water and hazardous atmospheres.

### Course Objectives

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

1. Identify resources needed for trench rescue incidents.
2. Implement the emergency response systems.
3. Initiate site control and scene management.
4. Recognize the general hazards associated with trenches and working underground.
5. Recognize collapse patterns and recognize the potential for secondary collapses.
6. Follow and adapt (as needed) standard operating procedures for trench rescue.
7. Build safe zones in the trench and provide access.
8. Demonstrate the personal skills listed in NFPA requirements for operations-level trench rescue.

### Course Outline

#### Course Overview

- OSHA Standards Review
- NFPA Standards Review

#### Trench Rescue Process

- ICS and Size-up
- Pre-Rescue, Rescue
- Termination

#### Cave-in Protection Systems

- Traditional Shoring
- Shields
- Creating Safe Zones

#### Lifting and Moving

- Air Bags and Cribbing

**OPTION: NFPA 1006 Skill Performance Checklist and NFPA 1670 Standards**

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

