

Hands-On

# Excavation, Trenching, Shoring and Rigging

Safety & Competent Person Certification



## Course Description

This Hands-On course covers Excavation, Trenching, Shoring and Rigging and Competent Person Certification. These topics are among the most hazardous construction operations in the industry today. Employees and contractors who work in or around trenches or excavations must be adequately trained in the requirements of the OSHA Excavation Standard, 29 CFR 1926 (Subpart P).



Did you know that the fatality rate for excavation work is 112 higher than the rate for general construction? With the proper safety training in place, this number would be drastically reduced. That is why OSHA requires a competent person be present at every job site. OSHA defines a competent person as someone that by way of training or experience, is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation, and has the authority to correct them.

Many OSHA training classes provide basic or introductory information for workers. Since the competent person is required to make important decisions, their training must go beyond the introductory level, to a level which provides enough information to be useful in their decision making process.

This course is for the Competent Person course goes beyond the basic awareness level of introductory courses and into the details necessary to create a safe environment for workers, as outlined in OSHA's standard 29 CFR 1926.650. It helps a competent person answer important job site questions like

- Are there adequate means of access and egress?
- Are adjacent structures stabilized?
- Does the procedure require benching or multiple benching? Shoring? Shielding?
- Are means of egress from the cut, cavity, or depression no more than 25 ft from the work?
- Etc.

These, and many more, are the kinds of questions a competent person on an excavation or trenching site needs to be asking.

This training will provides Hands-On and Real-World experience for the Competent Person and will go a long way in providing a good foundation of knowledge from which a worker can create a safer excavation work environment.

## Students Will Learn

- Hazard Recognition
- Competent Person Requirements
- Basic Rigging
- Soil Mechanics
- Shielding, Shoring and Sloping
- Trenching, Microtrenching
- Site Inspection
- Safe Work Practices
- Underground Utility Lines
- Water Accumulation
- Hazardous Atmospheres
- Means of Access/ Egress
- Emergency Rescue
- Emergency Procedures

## Target Audience

Anyone who is working around and or with Evacuations, Trenching, Shoring, Rigging and requires to be Competent Person Certified.

## Prerequisites

None.

## Course Outline

To be tailored to customer specific equipment, needs and requirements.

## Delivery Method

Instructor-Led with numerous Hands-On Labs and Field Exercises.

## **Equipment Requirements**

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

## **Course Length**

3 Days