

Excavation and Trenching

Regulatory Requirement References

OSHA Standard 1926.650

ANSI/ASSE A10.12-1998 (R2005)

MIOSHA Standard Rule 408.40114 Part 9

Estimated Time Required	8 hrs.
Requalification Period	Special
Pre-Requisites	N/A
Minimum # Students	2
Maximum # Students	4
Additional Course Material	N/A

General Overview

This course focuses on OSHA standards and the safety aspects of excavation and trenching. Students review practical soil mechanics and their relationship to the stability of shored and un-shored slopes and walls of excavations. Various types of shoring (wood timbers and hydraulic) are covered. Students will review procedures necessary to safely work around excavations on the job. This includes how to cross trenches, proper entry and exit from excavations, exposure to vehicles, exposure to falling loads, warning systems, and emergency response.

Expected Outcomes

Students will understand and be able to identify soil types, be familiar with processes for identifying and locating buried utility services, and be able to properly select and implement safeguards. They will also be familiar with safety regulations and training necessary for competent person designation.

Topics Covered

Employee and Employer Responsibilities

Excavation hazards

Soil analysis

Shoring systems and techniques

Shielding

Worker responsibilities

Implementation Mechanism

Training shall consist of a combination of formal instruction (e.g., lecture, discussion, and video presentation), demonstrations, and practical exercises performed by the instructor/trainee when applicable, and a written evaluation of the student's understanding of the course.

Client Supplied Items

Client specific policies and procedures related to Excavation

Emergency response procedures

DVD player and corresponding viewing equipment

FRG Corp.