

# Electrical Safety for Industrial Facilities



Electrical hazards can result in serious injury or death of personnel that work on or around electrical equipment in industrial facilities. To ensure a safe workplace, personnel must understand electrical safety regulations, electrical hazards, and the use of safe work procedures and protective equipment. Research is ongoing to improve these practices, so employers may have difficulty keeping up with revisions in OSHA, NFPA 70E, NEC and other applicable electrical safety standards. The ability to interpret these standards and understand how to apply the requirements is essential to realizing the benefits of an electrical safety program; fewer electrical accidents, improved power system reliability, OSHA compliance and potential discounts on insurance.

## Who Should Attend

This course is intended for new, multi-craft or experienced electricians, technicians, engineers, supervisors and safety managers that install, maintain, repair, troubleshoot or work around industrial electrical systems. This course meets the mandated training requirements of OSHA 1910.332 and .269.

## Learning Objectives

- Explain the hazards of electricity and effects
- Select appropriate personal protective equipment for a variety of applications
- Utilize safe work practices for work on or around metal clad switchgear, substation equipment, motor control centers and facility electrical systems
- Explain installation and testing of permanent and temporary grounding systems for personal protection
- Apply lockout/tagout procedures, energized work permits, and overhead line clearances
- Interpret applicable regulations

## Requirements

The student should have basic knowledge of AC/DC electricity.

## [Electrical Safety for Industrial Facilities Course Outline](#)

**Course Duration:** 4 days

**Credits:** 3.2 CEUs

**Level of Involvement:** Lecture

**Schedule:** 8:00am-4:30pm

**Course Number:** 290

**Tuition USD:** \$1200

*Available in English or Spanish*