

Industrial Electrical Safety for Non-Electrical Workers

1 Day – 5 Contact Hours ~ \$375 (online training)

Who Should Attend?

This course will be of benefit to technicians, operators, supervisors, field engineers, plant engineers and others who work around electrical systems. Intended to highlight electrical awareness and safety in the work place.

Course Description

This 5-hour course concentrates on educating non-electrical personnel on how to understand and identify electrical hazards, control exposure and reduce the risks associated with energized equipment.

Lab Time and Prerequisites

This course is online based with no hands-on labs.

Course Outline

Basic Electrical Theory

- Current, resistance and voltage
- Conductors, insulators and grounding
- CSA Z462-18

Understanding Electrical Hazards

- Electrical shock, arc flash and arc blast
- Effects of electricity on the human body
- Step, touch, and mesh potential

Electrical Equipment In The Workplace

- Identifying electrical hazards
- Motor control centers and switchgear
- Damaged electrical power cords and tools
- Ground fault circuit interrupters (GFCI)
- Electrical rooms and cabinets

Safe Work Practices

- Lockout tag out
- Safe operation of electrical equipment
- Personal protective equipment (PPE)

Working Around High Voltage Power Lines

- Overhead and underground hazards
- Electrical emergencies
- Electrical accidents, rescue and role of first aid

