

Qualified Electrical Worker Refresher Course

1 Day - 8 Contact Hours ~ \$500 (Online Training)

Who Should Attend?

This one-day course is designed for those who have completed the Qualified Electrical Worker training course and require the refresher course for updates on CSA Z462-18 and other current regulations and standards.

All technicians, field-service personnel, electricians, supervisors and engineers who perform operation or maintenance work on electric devices and equipment with voltage ratings from 400 / 600 up to high voltage.

Course Description

This Shermco course reminds your employees to assess the hazards, control exposure and reduce the risks associated with working on or near high voltage equipment.

Lab Time and Prerequisites

This course is online based with no hands-on labs. Attendees should have completed Qualified Electrical Worker Training.

Course Outline

Electricity's Effect on the Human Body

- Effect of shock on the human body
- Ventricular fibrillation
- Effect of arc flash and arc blast
- Arc flash incident review

Shock and Arc Flash Risk Assessment

- Shock risk assessment
- Arc flash risk assessment
- Arc flash study example

Understanding Electrical Power Systems

- Drawing symbols
- IEEE device numbers
- Single line review
- Types of switchgear
- Grounding
- Step and touch potential
- Coordination

Risk Assessment and Control

- Job briefing
- Three stage safety model
- Hierarchy of risk control methods
- Arc flash incident review

Codes and Standards

- Review of applicable codes and standards major changes to CSA Z462

6 Steps to an Electrically Safe Work Condition

- Establish an electrically safe work condition
- Lock out tag out review

Safety Equipment and PPE

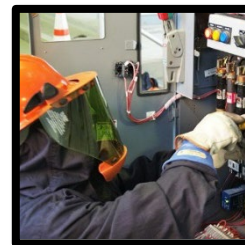
- Review typical electrical worker PPE
- Insulated gloves
- Arc flash clothing
- Hot stick
- Protective grounds
- Voltage detector

Work Involving Electrical Hazards

- Energized work and permits
- Exceptions to energized work permits
- Multi-meters and restricted approach boundaries
- Contact release and rescue methods

Lock Out Tag Out Exercise

- Hazard identification
- Job planning
- PPE requirements



To register for this course or for more information, please contact canadatraining@shermco.com or 306-949-8131.