

Electrical Safety Concepts For “Qualified Workers”

Half-Day Course Outline

Ensuring Safety and Compliance

This training course focuses on the inherent dangers that exist with the operation, maintenance, and repair of electrical equipment. Electrical hazards – specifically arc flash and arc blast – can result in serious injury or death to electrical workers. Ensuring worker safety and meeting the challenges of the new arc flash safety requirements can be a difficult task without assistance from resources familiar with industry standards and recommended practices. This course covers the proper use of safety equipment, electrical hazards, and how to respond in the event of an electrical disaster. This knowledge is critical for all electrical personnel and those working on or around electrical equipment.

Next Level Reliability

To learn more about ERS Training Services, please contact us at 1 877-468-6384 or visit ERS.vertiv.com.

Course Overview

This class will introduce the fundamentals of our extended electrical safety training in a condensed, 4-hour course. Attendees will understand the principles of arc flash protection, as well as address the fundamentals of electrical hazards, safe work practices, and risk mitigation. The course will also provide a review of the industry codes and standard specifications regulating safety compliance.

Half-Day Seminar Course Outline

Introduction

- Course Objectives
- Required Worker Safety Training
- OSHA 1910 & NFPA70E
- Site Specific Risks

Electrical Shock

- Nature of Electric Shock
- Shock Severity Factors
- Rescuing a Shock Victim
- First Aid

Training Materials

Electrical Reliability Services (ERS) will provide any necessary supplemental materials. A "Certificate of Attendance" is provided for students completing this course.

Continuing Education Units

Upon successful completion of the assessment, you will receive 0.4 CEU credits. Our CEUs are IACET-Certified.

Arc Flash and Blast

- Nature of Arc Flash and Blast
- Personal Protective Equipment
- Boundaries
- Cal/cm²

Responsibilities

- Employer Responsibilities
- Employee Responsibilities
- Formal Electrical Safety & LOTO Policies
- OSHA 1910.331-.335