



## Arc Flash Hazard

### Course Overview

This comprehensive training course focuses on recognizing, assessing, and controlling arc flash and other electrical hazards in the workplace. Aligned with OSHA 1910.333–1910.335 (Selection and Use of Work Practices & PPE for Electrical Hazards) and the latest NFPA 70E Standard for Electrical Safety in the Workplace, participants learn essential safe work practices to prevent devastating injuries from arc flash, shock, electrocution, and arc blast events.

### Key Learning Objectives

- Identify electrical hazards, including arc flash, arc blast, shock, and electrocution
- Understand the causes and devastating effects of arc flash incidents
- Explain the relationship between OSHA electrical safety standards and NFPA 70E requirements
- Determine approach boundaries, perform risk assessments, and establish electrically safe work conditions
- Select and use appropriate personal protective equipment (PPE) and arc-rated clothing
- Apply safe work practices, including lockout/tagout, job briefings, and energized work permits



## Course Details

**Course Code:** ELEC-ARC-103

**Prerequisites:** Basic understanding of electrical systems and workplace safety; Participants should be comfortable reading technical labels and following procedures.

**Format:** Instructor-Led Training

**Duration:** Approximately 2-3 hours

**Certification:** Valid for 3 years or following significant changes to NFPA 70E standards, job duties, or equipment

**Target Audience:** This course is for electricians, maintenance technicians, engineers, supervisors, facility managers, and any personnel who work on or near energized electrical equipment ( $\geq 50$  volts).

**Compliance:** Fully compliant with:

- **OSHA 29 CFR 1910.333** – Selection and use of work practices
- **OSHA 29 CFR 1910.335** – Personal protective equipment and safeguards
- **NFPA 70E** (latest edition) – Standard for Electrical Safety in the Workplace

Meets requirements for employee training on electrical hazards, risk assessment, and safe work practices.



## Why Take This Course?

Arc flash incidents can release temperatures up to **35,000°F**, causing severe burns, blast injuries, or fatalities in milliseconds. This course empowers workers to:

- Prevent life-threatening injuries and reduce workplace incidents
- Avoid costly OSHA citations and regulatory penalties
- Build a stronger electrical safety culture
- Make informed decisions about energized work and hazard controls
- Protect themselves, their teams, and your organization from devastating electrical accidents

Investing in this training saves lives, lowers liability, and ensures long-term compliance in an increasingly regulated environment.

Enroll today to protect your team and achieve full compliance with OSHA and NFPA 70E standards! Contact us for group pricing, onsite delivery, or customized options.

\*For group rates or customized training, contact us at [info@renewsafety.com](mailto:info@renewsafety.com)