



# NFPA 70E Electrical Safety Training (1 Day)

**Course Duration:** 8 Hours (1 Day)

**Based on:** NFPA 70E-2024 Edition

**Training Format:** Available Onsite and Virtual (MS Teams or Zoom)

## **Course Overview**

This comprehensive 1 Day course provides essential electrical safety training based on the latest NFPA 70E-2024 standard. Participants will gain practical knowledge and hands-on experience to identify electrical hazards, implement safe work practices, and establish electrically safe work conditions in accordance with OSHA requirements.

## **Learning Objectives**

Upon completion of this course, participants will be able to:

- Understand electrical fundamentals and their relationship to workplace safety hazards
- Identify the four primary electrical hazards: shock, arc flash, arc blast, and thermal burns
- Implement the 8-step Electrically Safe Work Condition (ESWC) process
- Conduct proper risk assessments for shock and arc flash hazards
- Select appropriate Personal Protective Equipment (PPE) based on hazard analysis
- Establish and maintain comprehensive electrical safety programs
- Execute proper lockout/tagout procedures for electrical systems
- Respond effectively to electrical emergencies

## **Course Modules**

### **Module 1:** Introduction & Electrical Fundamentals

Course objectives, safety statistics, basic electrical theory, and power systems

### **Module 2:** NFPA 70E Standard & Key Definitions

Standard organization, 2024 updates, OSHA relationship, and key definitions

**Updated:** June 2025



# NFPA 70E Electrical Safety Training (1 Day)

## Module 3: Hazard Recognition & Arc Flash

All four electrical hazards, shock effects, arc flash fundamentals, and case studies

## Module 4: Emergency Response & Testing Equipment

Emergency procedures, first aid, and testing equipment

## Module 5: Lockout/Tagout & Electrically Safe Work Conditions

Complete 8-step ESWC process and energized work requirements

## Module 6: Safety Programs & Risk Assessment

Program development and risk assessment procedures

## **Training Methods**

Interactive lectures, hands-on exercises, equipment demonstrations, and scenario-based learning

## **Course Materials Included**

Reference Materials and Certificate of Completion

## **Assessment and Certification**

**End-of-Course Competency Assessment:** All participants must successfully complete a comprehensive examination covering all course modules with a **minimum score of 75%** to receive certification.

### **Assessment Format:**

- Written examination testing knowledge retention
- Practical demonstration of key safety procedures
- Scenario-based problem solving

**Certification:** Upon successful completion, participants will receive a certificate demonstrating compliance with NFPA 70E training requirements.

## **Who Should Attend**

Maintenance workers, electricians, engineers, safety professionals, supervisors, and anyone working on or near electrical equipment  $\geq 50$  volts

Updated: June 2025



## NFPA 70E Electrical Safety Training (1 Day)

### **Prerequisites**

Basic understanding of electrical systems - no prior NFPA 70E training required

---

Contact [NFPA70E.net](http://NFPA70E.net) today to schedule your NFPA 70E training and ensure your workforce is prepared to work safely around electrical hazards in accordance with the latest 2024 standard.

web: <http://NFPA70E.net>

phone: (727) 373-6465

e-mail: [sales@NFPA70e.net](mailto:sales@NFPA70e.net)

Updated: June 2025