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# NFPA 70E Training

View Course Details

## COURSE DATES AND TIMES

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|---|
| **June 17, 2026** |
| 10:00 am - 4:30 pm ET |
| **July 22, 2026** |
| 10:00 am - 4:30 pm ET |
| **August 19, 2026** |
| 10:00 am - 4:30 pm ET |
| **September 23, 2026** |
| 10:00 am - 4:30 pm ET |
| **October 21, 2026** |
| 10:00 am - 4:30 pm ET |
| **November 25, 2026** |
| 10:00 am - 4:30 pm ET |
| **December 16, 2026** |
| 10:00 am - 4:30 pm ET |

## NFPA 70E Training Overview

NFPA 70E training exists to bridge the gap between written electrical safety standards and real field conditions. The standard itself defines expectations. This course teaches how those expectations are applied during maintenance, troubleshooting, commissioning, and

operational work.

Students learn how to evaluate energized tasks, determine when energized work is justified, select appropriate controls, and apply PPE based on incident energy and task exposure. Instruction emphasizes hazard recognition, job planning discipline, and consistent application of boundaries and protective methods.

Rather than focusing on theory, the course uses real maintenance scenarios to help workers learn to recognize risk early, plan correctly, and execute work with confidence.

## Why NFPA 70E Electrical Safety Matters

Electrical safety failures rarely occur because standards are unavailable. They occur because hazards are misjudged, controls are applied inconsistently, or energized work is normalized.

NFPA 70E establishes a disciplined framework for controlling shock and arc flash hazards. When applied correctly, it reduces injuries, improves reliability, and creates accountability across maintenance operations.

NFPA 70E training strengthens this framework by teaching workers how to interpret the standard in real situations, not just how to reference it.

## NFPA 70E Requirements and OSHA Alignment

This NFPA 70E training course supports OSHA-aligned electrical safety programs by reinforcing requirements for energized work control, job planning, boundaries, and PPE selection.

Participants learn how NFPA 70E supports OSHA expectations through:

- Energized work justification and permit processes
- Shock protection boundaries and access control
- Arc flash risk management and labeling
- Safe work practices and documentation discipline

This course helps organizations apply NFPA 70E in support of formal electrical safety programs rather than treating compliance as a paperwork exercise.

If your organization is developing a documented program to address these requirements, pair this course with Electrical Safety Program Development.

## NFPA 70E Training Benefits

NFPA 70E training improves electrical safety performance by strengthening the recognition, evaluation, and control of hazards.

Key outcomes include:

- Improved shock and arc flash risk control
- Stronger job planning and energized work discipline
- Greater PPE accuracy and consistency
- Reduced incident probability
- Improved maintenance reliability
- Lower downtime and liability exposure

## What You Will Learn

You will learn how to:

- Recognize shock and arc flash hazards before work begins
- Apply boundaries and energized work restrictions correctly
- Select PPE based on task exposure and voltage conditions
- Perform job briefings that reduce error and confusion
- Support OSHA-aligned electrical safety programs using NFPA 70E principles

## Related Courses

- Electrical Safety Training Courses
- High Voltage Safety Training

- Arc Flash Training - CSA Z462
- Electrical Safety For EHS Managers
- Electrical Safety For Non-Electrical Workers

## WHO SHOULD ATTEND

This NFPA 70E Training course is designed for anyone whose job involves working on or near energized electrical equipment

- Maintenance electricians and technicians
- Electrical engineers, designers, and contractors
- Safety managers and EHS professionals
- Project managers and supervisors
- Inspectors and compliance officers
- Plant and facility managers

## STUDENTS RECEIVE

- Expert Instruction from a Certified NFPA 70E Specialist
- NFPA 70E Arc Flash Certificate
- .6 Continuing Education Unit (CEU) Credits (6 Professional Development Hours)
- **FREE** 100-Page Digital Electrical Safety Handbook (Value $20)
- **$50 Coupon** Toward any Future Electricity Forum Event (Restrictions Apply)

- **FREE** Electrity Today T&D Magazine Subscription (Value $25.00)

- NFPA 70E Course Materials in PDF Format

COURSE OUTLINE

# NFPA 70E Training Course Outline

NFPA 70E training covers shock and arc flash hazard control, approach boundaries, PPE selection, and energized work decision-making aligned with OSHA expectations. The outline below focuses on field application for maintenance and troubleshooting.

### 1. Understanding Electrical Hazards

- Main contributors to electrical incidents and how accidents develop
- Electrical shock effects, arc flash definition, and arc blast hazards
- Incident energy basics and typical injury mechanisms

### 2. Standards and Regulations

- NFPA 70E purpose and how it supports workplace electrical safety
- OSHA requirements relevant to electrical work and lockout/tagout
- How IEEE 1584 and related standards support arc flash analysis

### 3. Shock Hazards and Protection Strategies

- Shock risk factors and how boundaries are established
- Limited and restricted approach boundaries and safe work controls
- Voltage-rated PPE, insulated tools, and shock protection practices

### 4. Arc Flash Hazards and Mitigation Techniques

- Common causes and where arc flash hazards are found
- Arc flash boundary concepts and practical risk-reduction methods
- Engineering and work-practice controls for mitigation

### 5. Arc-Rated Personal Protective Equipment (PPE)

- Arc-rated PPE purpose and limitations
- PPE selection by task and exposure, plus head, hand, and foot protection

- PPE care, inspection, and use considerations

### 6. Job Planning and Safety Procedures

- Job planning essentials and effective job briefings
- Energized electrical work permits, when they apply, and key controls
- Planning impacts on task sequencing and maintenance reliability

### 7. Risk Assessment and Management

- Risk assessment steps, including incident energy and control methods
- Labels, documentation, and PPE determination based on results
- Electrical safety audits and continuous improvement

### 8. Safety-Related Work Practices

- Electrically safe work condition and verification steps
- Boundary control, tools, and safe work practices in the field
- Lockout/tagout verification, including group and complex LOTO

## COURSE SCHEDULE

Start: 10 a.m. Eastern Time
Finish: 4:30 p.m. Eastern Time