



RENEW SAFETY

POWER PRODUCTION - CONSTRUCTION - INDUSTRIAL

NFPA 70E Electrical Safety

Participants learn how electrical hazards such as shock, arc flash, and arc blast can create serious risks when working near energized electrical equipment. The course explains how NFPA 70E safety practices help reduce electrical hazards and support safe work around electrical systems.



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OUR COURSE OVERVIEW

This comprehensive course provides essential training for workers who frequently interact with electrical equipment in construction, industrial, and maintenance environments. Participants learn how electrical hazards occur.

Participants learn how electrical systems can expose workers to hazards such as shock, arc flash, and arc blast when equipment is energized or improperly maintained.

Safety training is most effective when workers understand both electrical hazards and the procedures used to control them. This course combines electrical safety awareness with practical workplace guidance to help organizations maintain safe electrical work practices.

The course explains procedures used to manage electrical hazards, including electrical safety planning, risk assessments, energized work permits, and approach boundary requirements when working near energized equipment.

Through practical instruction and regulatory guidance, participants gain the knowledge required to recognize electrical hazards and follow NFPA 70E safety practices when working near electrical systems.



KEY LEARNING OBJECTIVES

What You Will Learn

- Understand electrical safety principles and NFPA 70E workplace safety requirements.
- Identify electrical hazards such as shock, arc flash, and arc blast risks.
- Recognize applicable safety standards including OSHA, NFPA, and IEEE requirements.
- Understand electrical safety planning and risk assessment procedures.
- Recognize energized electrical work permit requirements and safety procedures.
- Understand arc flash hazards, warning labels, and approach boundaries.
- Apply proper personal protective equipment (PPE) selection and safe work practices.

Together, these key learning objectives help participants understand electrical hazards and the procedures required to support safe work around energized electrical systems.



Electrical Hazard Awareness

Participants learn how electrical hazards such as shock, arc flash, and arc blast can occur when working near energized electrical equipment. Training focuses on recognizing hazardous conditions and understanding how electrical incidents can occur in workplace environments.

Electrical Safety Planning and Safe Work Practices

The course explains procedures used to control electrical hazards, including safety planning, risk assessments, energized work permits, approach boundary requirements, and the proper use of personal protective equipment when working near energized equipment.

COURSE DETAILS

Prerequisites

No prior NFPA 70E training is required for this course. However, basic familiarity with electrical equipment, workplace safety procedures, or maintenance operations may help participants better understand electrical hazard awareness concepts.

Certification

Upon successful completion, participants receive a certificate of completion demonstrating training in NFPA 70E electrical safety awareness and workplace electrical hazard control procedures.

Compliance

This course supports OSHA electrical safety requirements and NFPA 70E standards related to electrical hazard awareness, safe work practices, and protective measures when working near energized electrical equipment.

Target Audience

This course is intended for electricians, electrical contractors, safety personnel, plant operators, linemen, field engineers, and workers who regularly interact with electrical systems or equipment in workplace environments.



Course Code:	N/A
Format:	N/A
Duration:	N/A

WHY TAKE THIS COURSE?

The Importance of NFPA 70E Electrical Safety

- Electrical hazards such as arc flash and shock can cause severe injuries, burns, and serious workplace accidents.
- Workers must understand electrical risks and hazard controls before performing tasks near energized equipment.
- NFPA 70E safety practices help reduce electrical incidents and improve overall workplace electrical safety awareness.

Proper electrical safety training helps workers recognize electrical hazards and apply procedures that reduce the risk of accidents when working near electrical systems.

Preparing Teams for Electrical Hazard Awareness

This course provides practical training that helps workers understand electrical hazard recognition and their responsibilities when working near energized electrical equipment.

Training improves preparedness by ensuring workers understand electrical safety planning, risk assessment procedures, and proper protective equipment use requirements.

Supporting Safety Compliance

NFPA 70E electrical safety training helps organizations meet OSHA electrical safety requirements and workplace electrical protection standards. Employers must ensure workers understand electrical hazard risks, protective equipment requirements, and safe work practices when interacting with energized equipment.





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Contact us to learn more about
course availability, group training,
and customized fall rescue instruction.

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