



<b>Course Name</b>	Electrical Safety (NFPA 70E 2024) Part 1
<b>Credit Hours</b>	4 Hours
<b>Instructor(s)</b>	Jerry Durham
<b>Fee</b>	\$49.00
<b>Reference Materials</b>	NFPA 70E Standard for Electrical Safety in the Workplace 2024 Edition

### **Course Description**

A comprehensive guide to understanding the first half of the 2024 NFPA 70E Standard for Electrical Safety in the Workplace electrical safety rules and requirements. The 2024 NFPA 70E publication and this course are consistent with NFPA requirements from the 2023 NFPA 70 National Electrical Code (NEC). This course introduces users to the arrangement of NFPA 70E and the scope of its articles promoting safe work practices for employees working around electricity in the capacity of general electrical equipment installation and service, electrical equipment maintenance, and work on electrical equipment deemed Special Equipment by NFPA 70E.

### **Learning Outcomes**

At completion of this course, licensees can expect to be able to:

- Describe the purpose, scope, and arrangement of the 2024 NFPA 70E.
- Understand how the 2024 NFPA 70E Standard applies to general electrical installations, electrical maintenance, and work on special electrical equipment.
- Explain the difference between mandatory rules, permissive rules, and explanatory materials in 70E.
- Describe terms and definitions specific to the NFPA 70 Standard.
- Understand the need and process for establishing electrically safe work conditions around equipment.
- Be familiar with an electrical safety program (ESP)
- Understand host employer and contract employer responsibilities for maintaining electrical safety on the job site.
- Understand risk assessment and its value for promoting safety on the job site.
- Execute safe handling, storage, and grounding of portable electrical tools.
- Be familiar with the types of maintenance necessary for fuses, circuit breakers, and their associated parts.
- Understand ground-fault protection for electrical tools and equipment.
- Understand lockout/tagout (LOTO) as a safety protocol.

- Understand that both simple and complex procedures are recognized by NFPA 70E for LOTO.
- Explain that special electrical equipment is recognized and covered by NFPA 70E and that electrical equipment deemed special by NFPA 70E has dedicated NFPA 70E requirements for worker's safety.
- Explain an arc-flash event while being familiar with hazards to human life resulting from a lack of proper PPE on the job.
- Understand the types of personal protective equipment (PPE) and that maintenance or inspection of PPE is required at regular intervals.

## **Equipment Requirements**

You must have an active, working internet connection to access this course online, as well as a platform to access the internet, such as a computer, tablet, or phone. All popular web browsers are supported, including Google Chrome, Mozilla Firefox, Safari, and Opera. No specialized software, speaker, microphone, or web camera is required.

## **Schedule and Location**

This course is available online at any time at [www.aypotech.com](http://www.aypotech.com). Upon enrolling in the course, students will have access until the agency issued course expiration date. After the access expiration date, the course will be removed from the student's account and any progress in the course will be lost. Before the access expiration date, the student may sign in and out of the course as many times as needed to complete the course.

## **Student Support**

Both general and technical support is available to the student before, during, and after taking the course online. Students have access to general customer support via phone, chat, and email. Students have access to the course instructor via email. All questions, concerns, and comments received will be responded to within one business day.

## **Participation/Interactivity Verification**

Timed Logs - Per our company's record retention policy, each student's every log-in, log-out, and lesson/assessment completion time is tracked and retained as part of the student record.

Assessment - At least one content question is delivered at the bottom of each page of text and the section is not considered complete until the related question has been answered. The licensee must complete all multiple choice questions with a score of at least 70% in order to get credit for the course.

Global Timer - Students will not get credit until they spend a minimum of 240 active minutes total in the course.

## **Identity Verification**

Unique Username/Password - Each student that wants to complete a training course with us must create an account by registering a unique personal email address and password. The student must enter this unique identifier every time they take a break from the course.