



Arc Flash NFPA 70E (Low Voltage) Training

Language Available:

- English
- Spanish

Student Count (per class):

- Min = 1
- Max = 15

Course Duration:

- 7.5 Hours

Course Materials:

- Handouts
- Quiz

Virtual Training:

- Optional

Course Overview

The foremost goal of this Arc Flash electrical safety training course is to keep workers safe while working on or around electrically energized equipment. The class is structured to help companies fulfill requirements set forth in OSHA 29 CFR Part 1910, Subpart S Electrical and NFPA 70E® “Standard for Electrical Safety in the Workplace”. This Arc Flash electrical safety class is a must for any worker who spends time around electrically energized equipment. Overall, this program is designed to reduce liability concerns for the employer while establishing a culture of safe work practices among employees.

Required Text

NFPA 70E Standard for Electrical Safety in the Workplace 2021 Edition

Discussion Topics:**Electrical Safety & the Qualified Electrical Worker**

- Background, Responsibilities & Requirements
- Safety Standard Types: NFPA 70E® & Others
- OSHA Electrical Safety Regulations Overview
- Understanding Definitions

Electrical Hazards

- Power of Electricity
- Shock, Arc-Flash & Arc-blast
- Arc Rated Tools and equipment
- Damage to People and Equipment
- Accident Prevention
- Emergency Response

Safety Related Work Practices

- Work Related Definitions
- General Requirements
- Establishing Safe Work Conditions
- Electrical Lockout / Tagout (Zero Energy)
- Working On or Near Energized Parts
- Determining Proper Approach Distances
- Securing Energized Work Permits
- Understanding an Arc Flash Analysis
- Determining your Arc Rated (PPE) requirements