

# **Electrical & Hazardous Energy Training**

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## **Electrical Awareness Training**

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#### **In-Person & Virtual Training**

#### **Basic Electrical Safety & Hazard Awareness Training**

#### **Days and Times Scheduled Based On Your Needs**

This 1/2-day training program is designed for non-electricians, general tradespeople, maintenance staff, and office personnel. Electricity is a silent, invisible hazard that exists on every job site and in every facility. This course focuses on recognizing everyday electrical hazards, understanding how electrical shocks occur, and establishing safe work practices to prevent electrocution and electrical fires.

The training covers the general awareness requirements of Federal OSHA 29 CFR 1910 Subpart S (General Industry) and 1926 Subpart K (Construction). While this course does not qualify an employee to perform electrical work, this foundational training is an important part of keeping your company compliant with baseline OSHA requirements and providing your key people with the information and resources they need to avoid dangerous electrical exposures.

#### **Training Topics Include:**

- Recognizing Electrical Hazards (Shock, Burns, Arc Flash, Fires, Explosions)
- Understanding Basic Electrical Concepts (Voltage, Current, Resistance, Grounding)
- Safe Use of Extension Cords, Power Strips, and Temporary Wiring
- Identifying Defective Equipment, Frayed Cords, and Missing Ground Prongs
- The Function and Mandatory Testing of GFCIs (Ground Fault Circuit Interrupters)
- Maintaining the Required 36-Inch Clearance in Front of Electrical Panels
- Keeping Safe Working Distances from Overhead Powerlines
- Proper Lockout/Tagout Awareness for Affected Employees
- Emergency Response and Reporting Procedures for Electrical Incidents

#### **In-Person Training Location or Virtual Zoom Training Based On Your Needs**

## **Presented by**

**SAFE - Safety Associates for Employers, LLC**

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## **NFPA 70E Arc Flash Hazard Training and Control of Hazardous Energy-Lockout**

**NFPA 70E Arc Flash Hazard Training and Control of Hazardous Energy-Lockout**

**In-Person Training**

**Control of Hazardous Energy (LOTO) & NFPA 70E Training**

**Days and Times Scheduled Based On Your Needs**

This comprehensive 1-day course is designed for qualified electrical workers, maintenance technicians, and supervisors who perform complex machinery servicing and work on or near energized equipment. The program thoroughly integrates the life-saving arc flash requirements of NFPA 70E with the physical isolation mandates of OSHA's Control of Hazardous Energy (Lockout/Tagout) standards.

LOTO standards establish requirements employers follow when employees are exposed to hazardous energy while servicing and maintaining equipment and machinery. This advanced training is an important part of keeping your company compliant with the most heavily enforced electrical regulations and providing your key people with the technical information, protective gear protocols, and resources they need to prevent catastrophic electrical incidents.

### **Training Topics Include:**

- NFPA 70E Arc Flash and Shock Hazard Risk Assessments
- Establishing Arc Flash Boundaries and Limited/Restricted Approach Boundaries
- Reading and Interpreting Equipment Arc Flash Warning Labels
- Selection, Inspection, and Proper Use of Arc-Rated PPE
- Develop, implement, and enforce a written energy control program.
- Use lockout devices for equipment that can be locked out. Tagout devices may be used in lieu

of lockout devices only if the tagout provides equal protection to a lockout program.

- Ensure that new or overhauled equipment is capable of being locked out.
- Develop, implement, and enforce an effective tagout program if machines or equipment are not capable of being locked out.
- Develop, document, implement, and enforce energy control procedures.
- Use only lockout/tagout devices authorized for the particular equipment or machinery and ensure that they are durable, standardized, and substantial.
- Ensure that lockout/tagout devices identify the individual users.
- Establish a policy to remove another employee lockout/tagout device who can't remove it.
- Evaluate and inspect energy control procedures at least annually.
- Provide effective training as mandated for all employees covered by the standard.
- Comply with the additional energy control provisions in OSHA standards when machines or equipment must be tested or repositioned, when outside contractors work at the site, in group lockout situations, and during shift or personnel changes.

### **In-Person Training Location Based On Your Needs**

*Includes a Hands-On Workshop for Developing Machine-Specific LOTO Procedures and Inspecting Arc-Rated PPE.*

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