

# Arc Flash Training Program

Arc flash is a serious condition that can occur with electrically energized equipment. The air-borne electrical discharge of energy associated with an arc flash incident can cause serious burns or even death to employees who are not properly protected. As a service to our industrial base, we can provide arc flash training classes at your facility, our facility, or on line.

**The NFPA70E Article 110.2 Training Requirement states:**

“(A) Safety Training. The training requirements contained in this section shall apply to employees exposed to an electrical hazard when the risk associated with that hazard is not reduced to a safe level by the applicable electrical installation requirements. Such employees shall be trained to understand the specific hazards associated with electrical energy. They shall be trained in safety related work practices and procedural requirements, as necessary, to provide protection from the electrical hazards associated with their respective job or task assignments. Employees shall be trained to identify and understand the relationship between electrical hazards and possible injury.”

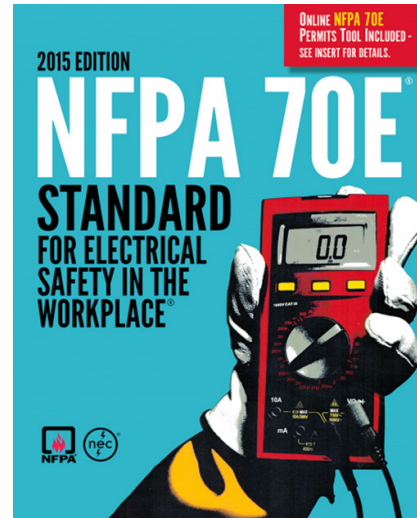
## NFPA 70E Arc Flash Electrical Safety Training

Our classes are designed for industrial workers of all levels including both qualified and unqualified workers, management and operations personnel. We can customize our training programs specifically for your industry and facility and range them from our 1-hour overview to our 2-day seminar.

Our goal is to assist our customer base in meeting the NFPA70E Article 110.2(D) Documented Training requirements as well as OSHA standard CFR 1910.331-.335 compliance for arc-flash electrical safety training.

For more information: [revere@reverecontrol.com](mailto:revere@reverecontrol.com).


See reverse side for a syllabus of our most popular class.



*NFPA prescribes specific levels of PPE (personal protective equipment, shown above) when working on electrically energized equipment to help protect employees from serious injury or death from the destructive capabilities of an arc flash incident.*

Revere Control Systems – Arc-Flash Training

<b>⚠ WARNING</b>	
<b>Arc Flash Hazard</b>	
Clothing Min. Rating 8 cal/cm2	
Must Have! →	System Voltage: 277/480 volts, 3 phase
Must Have! →	Arc Flash Boundary: 30 inches
Must have at least 1 of the following: <ol style="list-style-type: none"> <li>Available incident energy and the corresponding working distance</li> <li>Minimum arc rating of clothing</li> <li>Site Specific level of PPE</li> </ol>	



*Failure to follow NFPA and ANSI guidelines for labeling and PPE use can result in significant fines. You are also at risk for the cost, in terms of human loss and possible litigation, resulting from death or injury of an employee or contract personnel.*

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## Revere 4-Hour NFPA 70E Training Outline

Each Student is provided with presentation documentation.

- Goals – Electrical Safety
- Arc-Flash Basics
- Tools
- Safety Training Requirements
- Bolted Fault vs. Arcing Fault
- Incident Energy Analysis
- Arc-Flash Origins
- Caloric Energy Defined
- Energized Work Requirements
- Qualified Worker Definition
- One-line Diagrams (site specific if available)
- Arcing Fault Characteristics
- Arc-Flash Analysis Basics
- Time Current Coordination (TCC)
- Protection Boundaries
- Personal Protective Equipment (PPE)
- Arc-Flash Risk Categories
- Warning Labels
- OSHA Compliance
- Regulatory Agencies and Standards Overview
- Arc-Flash Hazard Mitigation Techniques
- NIOSH Arc-Flash Video (25 Min.)
- Q and A
- Test (optional)

## Revere Office Locations

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