

## Electrical Safety in the Workplace Training

Our 8-hour Electrical Safety in the Workplace training is specifically designed to meet the NFPA 70E training requirements for employees who work on or near energized electrical equipment.

This 8-hour course will provide electrical workers with the knowledge and skill needed to recognize the shock and arc flash hazards that they encounter in their daily work activities. The students will understand the decision-making process necessary to assess the associated risk, *perform job safety planning, select the appropriate risk control methods, including the proper use of PPE.*

This course includes documented tests and hands-on sessions designed to meet the OSHA 1910.332 and NFPA 70E requirements for qualified worker training.

### **At the completion of the training the employee will be able to:**

1. Identify the electrical hazards present in their workplace
2. Explain the OSHA regulations that pertain to electrical safety
3. Describe how electricity affects the human body
4. Explain the difference between step and touch potential
5. Safely Free someone who is being shocked
6. Determine their electrical qualifications
7. Perform the steps required to create an electrically safe work condition
8. Select the proper test instrument for safe industrial use
9. Maintain the safe limits of approach to exposed energized conductors
10. Know when and where to apply protective barriers and shields
11. Use alerting methods to keep other employees safe
12. Select the correct rating of insulating gloves
13. Know how and when to use insulated tools
14. Properly inspect and maintain flexible cord sets
15. Perform a job brief
16. State the requirements for performing energized work
17. Define an arcing fault
18. Describe the hazards associated with arc flash/blast events
19. Identify common arc flash hazards
20. Understand how to read an arc flash warning label
21. Understand the relationship between time, fault current and incident energy
22. Determine personal protective equipment requirements based on incident energy
23. State the care and maintenance requirements of electrical personal protective equipment
24. Identify the rating, use and limitations of arc flash personal protective equipment
25. Perform an arc flash and shock hazard risk assessment