

8-Hour Electrical Safety in the Workplace Training

Rozel 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 and NFPA 70E requirements for qualified worker training.

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

1. Describe the types of electrical hazards present in the workplace
2. Identify the OSHA regulations that pertain to electrical safety
3. Explain an OSHA Consensus standard
4. Describe how electricity affects the human body
5. Explain the difference between step and touch potential
6. Describe the methods of Safe Contact Release
7. List the hierarchy of risk controls
8. Define a qualified person
9. Perform the steps required to create an electrically safe condition
10. Identify the proper test instrument
11. Recognize the Limits of Approach
12. Describe protective barriers and shields
13. Describe alerting methods
14. Describe the methods used to select insulating gloves
15. Test insulating gloves
16. Recognize insulating tools
17. Describe the requirements for flexible cord use, maintenance and inspection
18. Explain the requirements for a job brief
19. State the requirements for performing energized work
20. Define an arcing fault
21. Describe the hazards associated with arc flash/blast events
22. Identify common arc flash hazards
23. Understand how to read an arc flash warning label
24. Understand the relationship between time, fault current and incident energy
25. Determine personal protective equipment requirements based on incident energy
26. State the care and maintenance requirements of electrical personal protective equipment
27. Identify the rating, use and limitations of arc flash personal protective equipment
28. Perform an arc flash and shock hazard risk assessment