

NFPA 70E and Arc Flash Hazard Safety Training

ESA can propose to provide NFPA 70E and Arc Flash Hazard Training for your company utilizing our professional training staff. 70E training forms the basis for developing a safety culture for your company, and will cover the following topics.

The onsite training is tailored to the students and their specific needs and requirements. We can provide this training in an 8 hour course format or a two day, 8 hour training option per worker (16 hour course total). Additional days can be added to cover shift workers. Pricing assumes a weekday class.

The proposed NFPA 70E, OSHA 1910.331-335, and OSHA 1910.269

Electrical Safety Training scope includes:

1. History of NFPA 70E
2. Organization of NFPA 70E-2004
3. Key Protective Strategies of NFPA 70E
4. Movie – Comment on NFPA 70E from Dave Wallis Director of OSHA’s office of Engineering Safety
5. Why Are Electrical Safe Work Practices Important?
6. Facts on Electrical Hazards
7. Shock Hazard Issues
8. Movie – “Take Electricity Seriously” by DuPont
9. Flash Hazard Issues
10. Changing the Electrical Safety Culture - Beliefs Drive Behaviors
11. NFPA 70E Organization - Scope, Purpose, Responsibility
12. Multi Employer Relationships
13. Training Requirements
 - a. Safety Training
 - b. Emergency Procedures
 - c. Type of Training
 - d. Employee Training
 - 1.) Qualified Persons
 - 2.) Unqualified Persons
14. Electrical Safety Program
 - a. Principles
 - b. Controls
 - c. Procedures
 - d. Movie – “Safety Basics” by Cooper Bussmann
15. General Requirements For Electrical Safe Work Practices
 - a. Working On or Near Electrical Conductors or Circuit Parts
 - b. Creating An Electrical Safe Work Condition
 - c. Lockout/Tagout/Verify
 - d. Movie – “I Felt Comfortable” by Randy Fellhoelter
 - e. Flash Hazard Analysis
 - f. Approach Distances
 - g. Movie – Contact With Un-insulated Overhead Power Lines

- h. Job Briefings
- i. Work Zones
- 16. Use Of Specific Safety-Related Equipment and Work practices
 - a. Test Instruments and Equipment Use
 - b. Energizing and De-energizing Electrical Power Circuits
 - c. Movie – “Metering Issues” by Fluke
 - d. Use of Insulated Tools and Equipment
 - e. Care of Equipment
 - f. Conductive Articles Being Worn (Jewelry Policy)
 - g. Portable Electric Equipment
 - h. Use and Care of Portable Cord-and Plug Connected Equipment
 - i. Use of GFCIs
- 17. Personal and Other Protective Equipment
 - a. Personal Protective Equipment
 - b. PPE Requirements For Various Tasks
 - c. Protective Clothing
 - d. Arc Flash Protection
 - e. Other Protective Equipment
 - f. Temporary Protective Grounding Equipment
- 18. OSHA 1910.331-335
- 19. OSHA 1910.269

The training also includes:

- Course Material Handouts

Please contact ESA for pricing. Please provide the number of students and the number of days you would like training for.

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