



NFPA-70E Qualified Person Electrical Safety Training & Arc Flash Safety

(a two-day workshop)

This 2-day course covers all the requirements a Qualified Person needs to know, including OSHA and NFPA 70E 2024 electrical safe work practices. The detailed course material is for all personnel working on, around, or near any electrically energized equipment. Topics discussed include:

- Differences between the 2021 and 2024 NFPA-70E standard editions
- Standards for electrical safety
- Electrical fundamentals
- Qualified person requirements
- Risk assessment, approach boundaries, and clearance distance
- Electrical hazards
- Safe installation of electrical equipment
- Proper electrical work practices and procedures
- Interconnection between NFPA 70E and NFPA 70B

All participants will receive a certificate upon completion of course!



For more information or to inquire about upcoming training dates:

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NFPA-70E Qualified Person Electrical Safety Training & Arc Flash Safety Training Outline

1. Hazard Risk Assessment
 - a. Arc flash hazard assessment
 - b. Incident energy analysis
 - c. Arc flash boundaries
 - d. Approach boundaries for shock protection
 - e. Clearance distances
 - f. Equipment labeling
2. Standards for Electrical Safety
 - a. OSHA
 - b. Code of federal regulations 1910.331 335
 - c. NFPA 70E standard for electrical safety in the workplace (current year)
 - d. Workplace safety programs
3. Reducing Electrical Hazards
 - a. Fuses
 - b. Circuit breakers
 - c. Guarding
 - d. Grounding
 - e. GFCI
4. Electrical Fundamentals
 - a. Understanding electricity
 - b. Conductors & insulators
 - c. Shock safe and unsafe current values
5. Personal Protective Equipment (PPE)
 - a. Arc-related clothing
 - b. Hazard risk categories
 - c. Voltage-rated gloves and tools
 - d. How to do a proper inspection of your PPE
6. Work Involving Electrical Hazards
 - a. Justification
 - b. Permits
 - c. Exemptions
7. Meter Safety
 - a. Selection and use
 - b. Category rating
8. Case Studies
 - a. Fatality assessment
 - b. Review what safety guidelines weren't followed and how accidents could have been prevented.



Types of Circuit Breakers & Their Uses [PDF]

