

Applied Power Systems



NFPA 70E Training

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866.273.2060

Applied Power Systems

LOW VOLTAGE QUALIFIED

NFPA 70E 8 Hour Qualified Training

Course Description:

Our training provides a thorough knowledge of the dangers and recommended safe behaviors for those who work daily around electrical hazards. This course goes beyond the theoretical to give attendees a complete understanding of regulations regarding electrical and arc flash safety and how to apply them in real-world situations. The course also details differences contained in the 2012 NFPA 70E standard from the 2009 version. Our arc flash training is the most complete in the industry without spending hours reading through OSHA and NFPA 70E regulations. We digest the information critical to the electrical worker and safety professional and put it in a concept-based, adult-learner friendly format that makes it easy to understand, remember and apply.

I. Governmental Regulations & Standards

- Personal Safety
- Safety for your fellow workers
- Comply with applicable regulations
- OSHA Regulations and Requirements
- NFPA 70E 2012 Regulations and Requirements

II. Electrical Hazards & Protection

Type of Hazards:

- Electric Shock
- Fire Ignition
- Arc Flash
- Arc Blast

Associated Hazards:

- Falls
- Smoke Inhalation

III. Personal Protective Equipment

- Gloves
- Clothing
- Equipment
- Care & Maintenance
- PPE Levels
- Standards

IV. Flash Hazard Assessment

- Identify Hazards
- Remove or reduce possibility of contact through engineering controls.
- Establish mandatory safe work practices.
- Task Assessments

V. Safety Related Work Practices

- Job Briefing
- De-energize & Isolate
- Using Tools
- GFCI
- Cords & Cables

VI. Workplace Safety

- Mobile Equipment
- Working Overhead
- Flammable Liquids & Gas
- Shock Assistance
- Inspections
- Record-Keeping
- Audits
- Special Equipment
- Boundaries
- General Rules
- Material Storage
- Lock Out/ Tag Out
- One Hand Rule

VII. General Rules

- Voltage Detectors
- Meters
- Grounding
- Alerting
- Barricading
- Barriers
- Seven Electrical Safety Habits

VIII. Staying Safe

- Recognizing Hazards
- Unqualified
- Task Qualified
- Qualified
- Management
- Classroom vs. On-the-job

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- Training Itinerary
- Training Cost
- Client Requirements

Training Itinerary:

- 08:00AM Introduction to Electrical Safety & NFPA 70E 2012
- 10: 00AM Break
- 10:15 AM Electrical Hazards: Shock, Arc Blast, Arc Flash
- 12:00 PM Working Lunch (Lunch Provided)
- 12:30 PM PPE Selection and Use
- 02:45 PM Break
- 03:00 PM Table Task Hazard Analysis
- 04:00 PM Safe Work Practices (OSHA requirements & best practices)
- 05:00 PM Wrap UP (Online Completion)

Addition Outline Items:

- Practical compliance with NFPA 70E 2012 Electrical Safety in the Workplace.
- How to do table-based hazard assessments using NFPA 70E 2012.
- How to choose personal protective equipment (PPE) based on the NFPA 70E tables.
- Differences between the NEC, NESC, NFPA 70E 2012 and OSHA standards.
- PPE do's and don'ts for workers exposed to shock and electric arc hazards.
- Standards to use in clothing and PPE selection.
- Explanations of Arc Ratings, ATPV, EBTAS and EBT, and how they are applied.
- The ins and outs of flame resistant, arc-rated (FR) clothing and other shock and arc PPE.

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Training Cost:

- \$475.00 per seat a minimum of 5 seats
- Discounts available for 20 or more seats
- Expenses for travel, lodging and meals may apply depending on location.

Clients Requirements:

- Client to provide all training facilities whether onsite or offsite to accommodate trainees, trainers and equipment.
- Client to provide Ethernet connection.