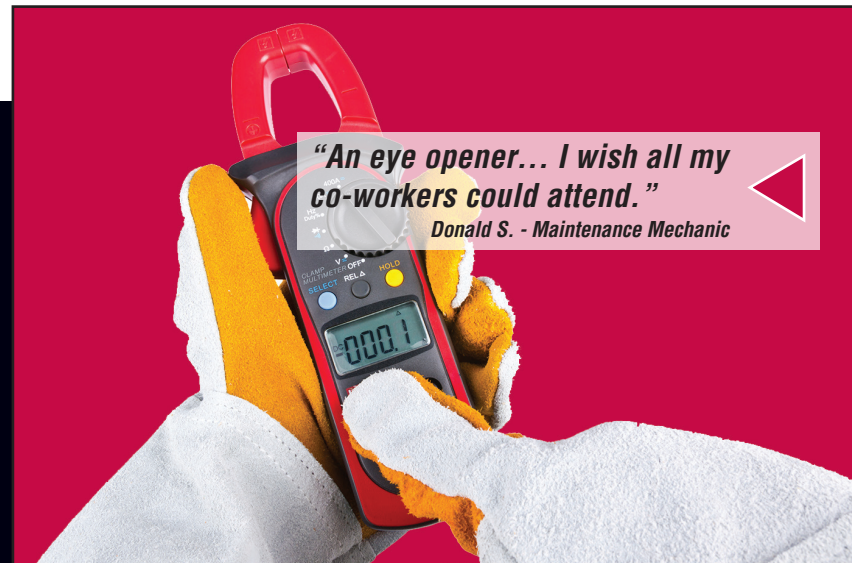


Learning Objectives:

- Requirements of OSHA & NFPA 70E® standards
- Changes in the standards
- Identify electrical hazards
- The dangers and risks of poor electrical work practices
- What it means to be a “qualified worker”
- Safe approach distances
- How Arc Flash happens
- How to read Arc Flash labels
- How to read Arc Flash charts and illustrations
- PPE requirements
- How to find resources for and select the right PPE
- Proper electrical work practices & “hot work” rules
- How to work with electricity in wet or damp locations
- Lockout/Tagout procedures for electrical equipment
- Safety requirements for electrical installations
- Establishing compliance
- Penalties for noncompliance

Arc Flash Electrical Safety

**Specifically Designed
for Maintenance
Personnel and
Electricians in Plants,
Facilities and
Commercial Buildings**



**A 2-Day Training Course Based on the NEW
2018 NFPA 70E® Standard for Electrical Safety
in the Workplace®**

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SEMINAR OVERVIEW

The foremost goal of this two-day Arc Flash Electrical Safety course is to keep workers safe while working on or around electrically energized equipment.

The course is structured to help companies fulfill requirements set forth in OSHA 29 CFR Part 1910, Subpart S Electrical and NFPA 70E® "Standard for Electrical Safety in the Workplace," which requires this type of instructor-led training for anyone working with electrically energized equipment. And starting in Fall of 2017, this seminar will include the changes in the 2018 version of 70E®.

Arc Flash Electrical Safety NFPA 70E® with Certification


For this version, a third day is added so that students can demonstrate what they have learned by participating in hands-on classroom exercises and taking the TPC Electrical Safety Certification exam. Participating in a third day to hone and practice these NFPA 70E electrical safety skills helps students to meet OSHA training obligations (under OSHA CFR 1910.331-335 and the NFPA 70E standard for Electrical Safety in the Workplace®).

WHAT YOU WILL TAKE HOME

- A laminated, full-color Reference Guide detailing all the "must-know" information covered in the class. Keep this with you while on the job for immediate knowledge recall.
- Comprehensive classroom materials
- A Personalized Training Certificate with 0.8 TPC Training Continuing Education Units for each day attended, 1.6 for both days.
- All the information you need from asking our instructors specific questions about your own unique equipment or facility.

CONTINUING EDUCATION

Upon completion of this seminar, the student will receive a Certification of Completion and .8 TPC Training CEUs per day attended. Most employers and many government agencies accept TPC Training CEUs to fulfill their continuing education requirements. If the student needs CEUs to renew a state license, please contact us at 303-867-5039 to ensure the state licensing board has approved the seminar. If we are currently not approved by your state licensing board, we are happy to begin the process as long as we receive your request at least one month before the training date.

 ***"I walked out with an interest in living longer."***
Bill G. - Building Engineer

DISCUSSION TOPICS

- Electrical Safety & the Qualified Electrical Worker
- Responsibilities & Requirements for a Qualified Electrical Worker
 - Who Sets Safety Standards?
 - Understanding OSHA's Role in Electrical Safety Regulations
 - Electrical Safety Culture in Your Facility

Electrical Hazards

- Severity of Electrical Injuries – Examples and Case Studies
- Shock, Arc-Flash & Arc-Blast
- Understanding GFCIs
- Primary Causes of Arc Flashes
- How to Identify Electrical Hazards
- Understanding Ratings of Arc-Rated Personal Protective Equipment (PPE)
- The Importance of Grounding Systems
- Risk Assessment Procedures
- Emergency Response

Safety Related Work Practices

- In-Depth Discussion of OSHA 29 CFR 1910 and NFPA 70E
- Work-Related Definitions
- Safe Operation of Electrical Meters – Ratings and Categories
- Establishing Safe Work Conditions
- Electrical Lockout / Tagout
- Working On or Near Energized Parts
- Determining Proper Approach Distances
- Completing Energized Electrical Work Permits
- Understanding an Arc Flash Analysis
- Interpreting Arc Flash Hazard Warning Labels
- Reading Arc Flash One Line Diagrams
- Personal Protective Equipment (PPE)

Safety Related Maintenance Requirements

- Understanding General Requirements
- Common Electrical Equipment
- Premises Wiring
- Controller Equipment
- Fuses & Circuit Breakers
- Rotating Equipment
- Hazardous (Classified) Locations
- Batteries & Battery Rooms
- Portable Electrical Tools & Equipment (PPR)

Requirements for Special Equipment

- Electrolytic Cells
- Batteries & Battery Rooms
- Lasers
- Power Electronic Equipment

Electrical Safety Program

- Planning an Electrical Safety Program
- Training Requirements
- Complying with NFPA 70E
- Interpreting Arc Flash Analysis Reports
- Determining your PPE Requirements
- Documentation of Records

SEMINAR FEE & AGENDA

This 2-day course is just \$1195 (Earn 1.6 CEUs)

7:30 am	Registration
8:00 am	Class Begins
12:00 -1:00 pm	Lunch (on your own)
4:30 pm	Class Ends

NO RISK REGISTRATION & MONEY-BACK GUARANTEE

You can reserve your space in the class at any time and cancel without penalty. Cancellations made more than 14 days prior to the seminar may be refunded or rescheduled. Cancellations made within 14 days may be rescheduled for any future topic and/or date. If you're not satisfied with the course, we'll promptly refund your payment.

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