



What do you get?

The purpose of this seminar is to keep workers safe and minimize the risk while working on or near energized electrical equipment.

The course will help companies and workers comply with OSHA 1910 Subpart S, OSHA 1926 Subpart K and NFPA 70E standards.

Reducing Liability concerns and providing safe working environments and conditions is the primary focus.

*Approved for CEUs in MD, Virginia, Delaware and North Carolina.

Arc Flash Training Wallet Cards will be given out at the conclusion of this class.

M.S. Electrical Training , LLC can provide a 70E 4-hour awareness course (un-qualified) as well as a two day course.

We also have qualified instructors teaching OSHA 10

Registration Now Open
www.mselectricaltraining.com | 410.790.8993
marty@mselectricaltraining.com

Arc Flash/70E Electrical Safety

We offer open enrollment public classes or personalized classes at your facility.

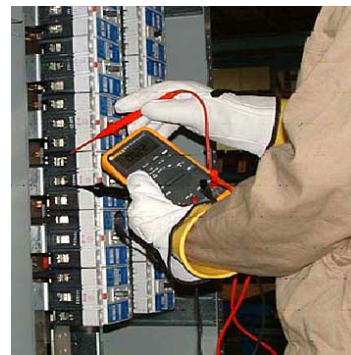


// JOHN

I have been in the electrical business for nearly 50 years, and Marty's class is the best I have ever attended. He has a unique ability to capture and keep your attention. Terrific Class!

// KEN

"Great class! Sorry I have not taken your classes sooner. Thanks Marty, it was well worth it!"



// MIKE

"This was a great class! It is rare when your instructor is a code expert and a great speaker. Very well done Marty."

// TODD

Marty, you are the best tutor. After much hard work, I am now a master electrician. Thanks for the great class and talented teaching. It was well worth it.



M.S. ELECTRICAL TRAINING

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About Us

M.S. Electrical Training offers courses on the National Electrical Code, Electrical Exam Prep, and Arc Flash/70E Electrical Safety for electricians and electrical professionals.

Complete your state required Electrical CEU hours with M.S. Electrical Training, your #1 choice for Electrical Education. We are an approved CEU training provider for MD, VA, NC, DE, PA as well as all Maryland counties. Most courses we offer are CEU approved. Each course lists the approved states.

Companies we've done training for include but not limited to: NASA Goddard. NIH. Proctor and Gamble, Federal Reserve, National Park Service, University of Maryland, IAEI, GE Aviation, Eaton, IEC, ABC News, Washington Gas, Chugach Government Services, Northrop Grumman, IEEE as well as some of the largest electrical contractors in the United States.



Arc Flash/70E Electrical Safety

COURSE OUTLINE

Low Voltage Qualified 8-Hour Course

OVERVIEW

This course provides a thorough knowledge of the recommended safe behaviors for those who work around electrical hazards. Attendees gain an understanding of the latest guidelines and regulations from NFPA 70E and OSHA. Electrical workers and safety professionals learn key practical information: best work practices in electrical safety and how to apply them in real-world situations.

REFERENCES

- Current NFPA 70E Standard
- OSHA Regulations (as applicable)
- NFPA 70

MATERIALS

- Current NFPA 70E Standard (Optional)
- Electrical Safety Booklet

1. Electrical Safety Information

2. Applicable Standards

- NFPA 70E/OSHA
- How Standards are used
- Key Definitions

3. Shock Hazards & Protection

- Understanding Shock
- Variables Impacting Hazards
- Protection Boundaries
- Voltage Rated Gloves and Other Shock Personal Protective Equipment
- Rated Insulated Tools and Other Equipment

4. Arc Flash Hazards & Protective Measures

- Causes/Types
- Arc Blast
- Common Places
- Mitigating Hazard through Engineering Design and Work Strategies
- Arc Flash Boundaries
- Practical Application

5. Arc Rated Personal Protective Equipment

- Overview
- Protecting Head, Hands and Feet
- PPE Programs: Categories, Levels, Systems
- Environmental Considerations
- PPE Guidelines and Maintenance
- Follow Manufacturer Instructions

6. Job Planning

- Elements of Safety Planning
- Job Briefing
- Energized Electrical Work Permit

7. Risk Assessment

- IEEE 1584
- Components and Assessment
- Methods: Tables or Incident Energy Calculations
- Labeling
- Steps to Determine PPE Required
- Likelihood and Severity of a Hazard

8. Safety Related Work Practices

- Defining “Electrically Safe Work Condition”
- Identifying and Securing Boundaries
- Tools and Equipment
- Best Practices for Lock Out/Tag Out, Verifying De-energization
- Overhead and Underground Hazards
- Training
- Recognizing Hazards and Poor Work Practices
- Work Policies

9. Safety Quiz (Optional)

Note: This outline can or may be modified to accommodate 4 hour and 16 hour (2 day) courses.



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T R A I N I N G

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