

# ELECTRICAL SAFE WORK PRACTICES (1-DAY)

WE IMPROVE WORKPLACE SAFETY & PERFORMANCE

## RECENT CHANGES REQUIRE A QUALIFIED PERSON TO BE TRAINED

Only qualified people are allowed to perform electrical maintenance and testing on live circuits and those qualified people must be trained. The NEC, NFPA 70E and OSHA all have this requirement for training.

*Do the definitions to the right define your people?*

**NFPA 70 National Electrical Code 2011 Edition & NFPA 70E 2012 Edition**

### Article 100 Definitions:

Qualified person: One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved.

### OSHA 1910.399 Definitions:

Qualified person: One who has received training in and has demonstrated skills and knowledge in the construction and operation of electric equipment and installations and the hazards involved.

## TRAINING DESCRIPTION:

This program is geared toward Electrical Arc Flash Protection to teach qualified personnel who work on, around, or near any type of electrically energized equipment and have been previously trained in general industry safe work practices. Electrical hazards, proper electrical work practices and procedures, and the safe installation of electrical equipment will be discussed. You will learn how the NFPA 70E requirements work in conjunction with the OSHA requirements. Designed to keep workers safe and up-to-date, this program provides workers with life saving information.

*If this course does not fit the needs of your employees, please review our 2-Day training course for a more focused look at electrical safety-related work practices.*

## TRAINING BENEFITS:

- Increase safety awareness in the workplace
- Learn how to implement NFPA 70E as a safety standard
- Possibly prevent the death or injury of your employees

## TRAINING TOPICS:

### STANDARDS FOR ELECTRICAL SAFETY

- OSHA
- NFPA 70E

### ELECTRICAL FUNDAMENTALS

- Understanding Electricity
- Safe and Unsafe Current Values

### QUALIFIED VS. UNQUALIFIED

- Training
- Knowledge

### HAZARD ANALYSIS

- 70E Hazards
- Approach Boundaries for Shock Protection
- Arc Flash Boundary
- Labeling

### WORK INVOLVING ELECTRICAL HAZARDS

- Justification
- Permits

### PERSONAL PROTECTIVE EQUIPMENT

- Arc-Rated Clothing
- Hazard Risk Categories
- Voltage Rated Gloves and Tools

### REDUCING ELECTRICAL HAZARDS

- Fuses
- Circuit Breakers
- Grounding
- GFCI

### METER SAFETY

- Selection and Use
- Category Rating

### ENERGY CONTROL PROGRAM

- Lockout/Tagout

**1-DAY  
TRAINING**

CLASS SIZE: UP TO 20  
CLASS LENGTH: 6 HOURS  
CLASS NUMBER: N\_CI11

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