

# Arc Flash/70E Electrical Safety For Qualified Workers 1-Day



## What You Will Get Out Of This Course

Your employees attending this class will learn the latest in electrical safety standards and regulations. This training goes toward satisfying your OSHA training requirement and will produce workers more aware of the hazards and how to reduce the risk. This course reflects the evolution of NFPA 70E in the direction of risk assessment and hazard elimination. The hierarchy of risk controls will be discussed in a way that can be applied right away. Shock and Arc Flash hazard PPE selection is covered in detail. Real-world scenarios and OSHA citations will be discussed to see what the group thinks could have been done differently. OSHA 1910 as well as NFPA 70E will be discussed. We can incorporate your facility's electrical safety program, arc flash incident energy analysis report and equipment labeling, into the class if you'd like. Your people will walk out of this class better prepared for work involving electrical hazards.

## New For 2018:

### Benefits:

- Goes toward satisfying Your OSHA training Requirements
- Updated for 2018 NFPA 70E
- Attendees learn the latest method for arc flash PPE selection

## Outline:

### • Introduction

- Good News On Electrical Fatalities
- Three Legs Of Electrical Safety

### • Risk Assessments

- Hazard, Risk & Risk Assessment
- Current & The Human Body
- Hierarchy of Risk Control

### • Shock Risk

- Approach Boundaries
- Gloves - Insulated Tools
- EH - DI Boots
- GFCI Protection
- Permanent Electrical Safety Device(PESD)

### • Test Equipment

- Cat I - II - III - IV
- Common Mistakes
- Non-Contact Voltage Detectors
- Live-Dead-Live Test

### • Qualified Worker

- Training
- Contact Release
- Emergency Response

### • Electrical Safety Program

- Principles - Controls
- Job Safety Planning
- Job Briefing
- Energized Electrical Work Permit(EEWP)
- Exemptions

### • Arc Flash Risk

- Arc Flash Boundaries
- PPE Category Method
- PPE Category Method Limitations
- PPE Incident Energy Analysis
- PPE Incident Energy Analysis Limitations
- Current Limiting Fuses
- Arc Rated PPE
- Understanding Incident Energy Analysis Project
- Equipment Labeling

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### Audience:

*Perfect For Maintenance & Repair Personnel  
Engineers  
Supervisors*

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### Your Instructor For This Training



For the past 28 years, Daryn Lewellyn has been training industrial electrical maintenance workers at facilities from coast-to-coast. He spent ten years working in industry before becoming an instructor. He has developed and taught classes in industrial electricity, hands-on troubleshooting, PLCs, 70E, arc flash, motors and motor controls. He loves teaching.

Electrical Training Pro, LLC

