

## Arc Flash For Operators

This one-day course is designed for industrial non-electrical workers requiring certification in the Workplace Electrical Safety standard, CSA Z462-08.

Other trades and operators do not repair electrical systems but they do operate them, continuously work around electrical equipment and often will work in conjunction with an electrician. In all of these instances, CSA Z-462 is very clear; they must be trained, qualified and certified for the tasks that they are doing.

The successful participant will gain a solid understanding of hazards encountered while operating or working around low voltage electrical installations including a full understanding of the arc hazard standard, appropriate PPE selection and safe work procedures.

This course is taught by certified electrical professionals with decades of field experience and solid credentials as professional adult learning instructors. This program includes professionally designed slides, videos, extensive use of case studies and hands-on demonstrations of common electrical problems. This program examines the electrical hazards found in industry and stresses the importance of the individual employee proactively recognizing hazards and applying safe work practices with the goal of zero incidents.

### **Who Should Attend:**

Non Electrical Workers whose daily activities involve the switching of industrial power systems.

### **ELECTRICAL ACCIDENTS**

*Objective:*

#### **SUBTOPICS:**

- Electrocutation
- Arc Flash
- Arc Blast
- Protection

### **RESPONSIBILITIES**

*Objective:*

#### **SUBTOPICS:**

- Managers and Supervisors
- Workers
- Federal Legislation
- Maintaining a Defensible Position

### **ARC FLASH MITIGATION**

*Objective:*

#### **SUBTOPICS:**

- Distance
- Current
- Time
- PPE
- Job Hazard Analysis
- Standard Operating Procedures
- Safe Work Practices

## **GENERAL REQUIREMENTS FOR ELECTRICAL SAFETY-RELATED WORK PRACTICES**

*Objective:*

### **SUBTOPICS:**

- Responsibilities
- Training Requirements
- Electrical Safety Program

## **WORK ON OUR NEAR LIVE PARTS**

*Objective:*

### **SUBTOPICS:**

- Justification for Work
- Energized Electrical Work Permit
- Hazard Analysis
- Approach Boundaries To Live Parts
- Shock Protection
- Flash Protection
- Personal Protection Equipment

## **ESTABLISHING AN ELECTRICALLY SAFE WORK CONDITION**

*Objective:*

### **SUBTOPICS:**

- Process of Achieving an ESWC
- Working on or Near De-Energized, LOTO Equipment
- Temporary Protective Grounding Equipment