

# ELECTRICAL SAFETY

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**COURSE:** ARC FLASH HAZARD AWARENESS

**DESCRIPTION:** This course introduces the student to the hazards of an arc flash event and how to set up an arc flash safety program based on the NFPA 70E *“Standard for Electrical Safety in the Workplace”* 2004 Edition.

Students will learn the factors affecting arc flash hazards, selection and use of PPE for arc flash protection and equipment labeling requirements.

Supplemented by graphic videos and stimulating class discussions this course has the impact required ensuring the student understands the importance of arc flash protection.

**DURATION:** 4 Hours

**FORMAT:** Power Point Presentation  
Instructor Demonstrations

**AUDIENCE:** Supervisors, Engineers, Managers and any other personnel involved in the operation of industrial electrical equipment. Safety personnel should also attend to evaluate their facility safety programs and identify the needs of their employees.

**OBJECTIVE:** This training program will provide the student with the information required to comply with the NFPA 70E and NEC requirements regarding arc flash protection.

**TOPICS:** Applicable NFPA 70E requirements  
Hazards of an arc flash event  
Proper use of safety equipment  
Selection and use of protective clothing for arc flash protection  
Care of Personal Protective Equipment  
Arc Flash calculations  
Labeling