

UNITED SAFETY SOLUTIONS

P: 715.254.0638
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826 Bloom Rd
Eagle River, WI 54521

ARC FLASH AND ARC BLAST

OSHA NFPA 70E
Course: 6 Hours Instruction
Hours: Class Room
Hours: Field Instruction

Regulation CFR 1910.331-335
Prerequisites:
Fee:

Arc flashes cause electrical equipment to explode, resulting in an arc-plasma fireball. Temperatures may exceed 35,000° F. causing rapid heating of surrounding air and extreme pressures. The resulting arc blast may vaporize all solid copper conductors. In addition, sound levels of 141.5 decibels may occur as well as extremely high pressure levels of 2,160 pounds per square foot (psf) in the immediate vicinity of the arc blast.

The ARC Flash and ARC Blast Protection training course is designed to save lives, prevent disabling injuries, and prevent damage to plants, building and equipment. Students will gain an immense respect for the power of electricity, learn about personal safety for working on or around electrical systems and equipment, how to use proper materials and procedures for doing electrical work, and the potential consequences for themselves or others if they don't.

Who should take this course?

- Anyone who comes in contact with electrical equipment must receive Electrical Safety training for compliance requirements of OSHA CFR 1910.331-335. Anyone who works on or around any electrically energized equipment:
- **All Electricians** - Any level - Maintenance & Electrical Supervisors - Machine Operators - Maintenance Personnel - Millwrights & Mechanics - HVAC Technicians - Field Service Technicians - Building Engineers - Janitorial Personnel - Stationary Engineers - Building & Maintenance Managers - Multi-craft & Cross Training Personnel - Environmental Safety & Health Personnel
- **All Maintenance Personnel** - Industrial Plants - Utilities - Private Building Facilities - Manufacturing Plants - Commercial Buildings - Hospitals - Waste Water Facilities - Schools - Government Buildings - Research Facilities - Shopping Centers - Apartment Buildings - Airports

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United Safety Solutions Course Covers:

- What is ARC Flash/ ARC Blast
- Boundaries of ARC Flash and ARC Blast
- OSHA Regulations for ARC Flash/ ARC Blast
- What is the NFPA 70E and How do OSHA and the NFPA 70E work together
- Proper Documentation Procedures to satisfy OSHA
- OSHA citation examples
- PPE (Personal Protective Equipment) for electrical safety
- Electrical Safety & the Qualified Electrical Worker
- Electrical Hazards
- Safety Related Work Practices
- Labeling of Electrical Panels
- Safety-Related Work Practices & Requirements for Special Equipment
- Electrical Safety Program
- Questions and Answers

Certification:

Successful completion requires 80% on both classroom and practical skills.

Upon successful completion, participants receive a wallet card, and documentation to satisfy OSHA.

Syllabus - ARC Flash and ARC Blast - 06-2014