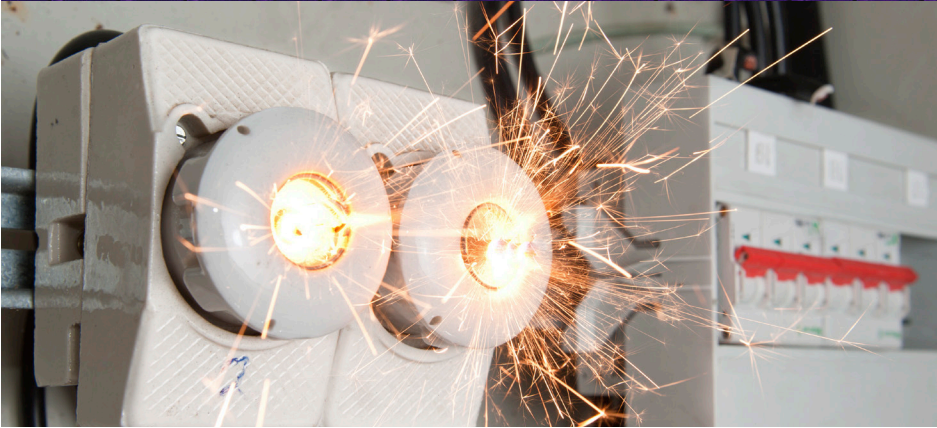


# LOCKOUT/TAGOUT & ARC FLASH



*ISTS specializes in developing and implementing programs that enhance our customer's efficiency and effectiveness as it relates to employee safety and health. Our mission is to exceed our customer's expectations by providing real value and delivering results.*

**DID YOU KNOW?** Every 30 minutes during the work day, a worker suffers an electrically induced injury that requires time off the job for recovery. In fact, one of OSHA's fatal four construction points is electrocution. Ensure safer installations, work environments and practices with ISTS electrical safety training. ISTS offers expert training on OSHA standards 1910.147, 1910.333, and (Lockout/Tagout) & NFPA Arc Flash.

## LOCKOUT/TAGOUT COURSES:

- 1. Effective Employee** – 4 hour: This course offers students an opportunity to get an overview of controlling hazardous energy standards for general industry, 1910.147 & 1910.131-135.
- 2. Authorized User** – 8 hours: In addition to the Effective Employee course, students will get 4 hours of hands-on training with ISTS's Lockout Simulator. There are over 30 lockout points that include: chemical, water, electrical, pressure, and pneumatic energy.

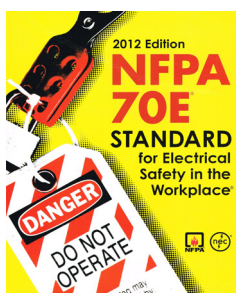
## ARC FLASH COURSES:

- 1. NFPA 70E Electrical Arc Flash Safety Training for the Workplace** – Our 8 Hour training program will focus on key elements of the NFPA 70E Standard: Introduction to the Standard, Definitions; Elements of Electrical Hazards; Shock Hazard Analysis; Arc-flash Analysis; Labeling and PPE Requirements; "The training is based on the 2012 version of the NFPA 70E Standard.
- 2. Advanced Electrical Arc Flash Training for the Workplace** – Our 16 hour Advanced Training Workshop is designed to teach companies how to design or improve their existing Electrical Safety Management Systems, Electrical Safety Programs, and how to comply with those standards. Hands-on exercises and facility walk through will occur during this course.
- 3. Arc Flash & Electrical Safety Training Refresher Classes** – NFPA 70E 2012 requires that all workers attend a training course every three years. Continue to keep your workers safe through refresher courses that provide 70E updates, help them to apply what they have already learned, and/or to grow via new, safe work practices. These refresher classes are designed for anyone who has completed previous qualified electrical safety training.



## OSHA/NFPA HISTORY

*OSHA regulations, NEC standards, and NFPA 70E have mandated that industry have an electrical safety program along with electrical safe work procedures. OSHA adopted regulations on safe electrical work practices in 1990 based on NFPA 70E, and is proposing a revised standard that conforms to the most recent editions of NFPA 70E. Given that the NEC (National Electrical Code) and OSHA have both started referring to it in their documents, citations are now being written based on NFPA 70E. NFPA 70E applies to employees who work on or near exposed energized electrical conductors or circuit parts. This includes electrical maintenance personnel, operators, troubleshooters, electricians, linemen, engineers, supervisors, site safety personnel or anyone exposed to energized equipment of 50 volts or more. The goal of the standard is to keep electrical workers free from the hazards of shock, electrocution, arc flash, and arc blast.*



**WE MAKE SAFETY MANAGEABLE.™**

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