

ELECTRICAL SAFETY

COURSE: NFPA 70E ELECTRICAL SAFETY

DESCRIPTION: This course presents electrical safety information based on the NFPA 70E *“Standard for Electrical Safety in the Workplace”* 2004 Edition. These rules establish the work practices to be used during the operation and maintenance of electrical systems.

The NFPA 70E requires all employees involved in the operation or maintenance of electrical systems, or who have access to these systems are required to be trained in the safety related work practices.

Supplemented by graphic videos and stimulating class discussions this course has the impact required to ensure the employee actually uses the procedures taught.

DURATION: 8 Hours

FORMAT: Power Point Presentation
Instructor Demonstrations

AUDIENCE: Electrical Trades, Supervisors, Engineers, Managers and any other personnel involved in the operation of industrial electrical equipment. Safety personnel should also attend to evaluate/establish 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 requirements in electrical safety, as well as to follow practices found to be valid through years of field experience.

TOPICS: Applicable NFPA 70E requirements
Burns, Shock, and Hazards of electricity
Personal Protective Equipment care and use
Establishing an Electrically Safe Working Condition
Hazardous energy control, Lockout and Tagout
Proper use of safety and test equipment
Grounding for employee protection
Conducting Flash Hazard analysis
Selection and use of protective clothing for arc flash protection
Shock hazard analysis
Energized Electrical Work Permit
Safe work clearances