

ELECTRICAL SAFETY

COURSE: INDUSTRIAL 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 while working around electrical systems of 480V and less.

The NFPA 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, Operators, 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 requirements in electrical safety, as well as to follow practices found to be valid through years of field experience.

TOPICS: Basic electrical principles
Applicable NFPA 70E requirements for Low Voltage systems
Burns, Shock, and Hazards of electricity
Hazardous energy control, Lockout and Tagout
Proper use of safety and test equipment
Safe work clearances
NFPA 70E Arc Flash Protection
Selection and use of protective clothing for arc flash/ shock protection
Use of multimeters for troubleshooting
Proper fuse replacement procedures