SMC SM

OUR KNOWLEDGE IS YOUR POWER

AUTOMATION | ELECTRICAL
DATA COMM & SECURITY
INDUSTRIAL & SAFETY
FLUID POWER

INDUSTRIAL & SAFETY

NFPA 70E 2015

TRAINING EVENT

WED. OCT. 18
8 AM - 4 PM

SMC CAPE GIRARDEAU
2333 RUSMAR ST.
CAPE GIRARDEAU, MO
63703

This course is designed for electrical engineers, safety managers, electricians, electrical contractors, plant managers, facility maintenance personnel, electrical inspectors, risk managers, and project managers. In this hands-on course, you will learn NFPA 70E fundamentals and ARC Flash Electrical Safety.

We will review the NFPA 70E 2015 updates, touching on approach boundaries and voltage rated gloves. Students will learn the best practices for Electrical Safe Work, Electrical Hazards, Safety Maintenance Practices, and Safe NFPA 70E Installation.

Upon completion of this series, you should be able to:

- Explain why a safety program directed at electrical hazards is necessary and beneficial
- List the elements of a procedure for establishing an electrically safe work condition
- Identify required elements of a hazard/risk analysis and explain the difference between electrical hazards and risk
- Identify the information needed for shock hazard analysis
- Explain the intent and limitations of PPE prescribed by NFPA 70E
- Identify maintenance requirements for various types of electrical equipment and protective equipment

Upon completion of this course, you will receive a certificate of completion to remain in compliance.

+ HANDS-ON

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises.

COST

$500 Per Student
Includes lunch

REGISTER

To register, contact Erica Masterson at emasterson@smcelectric.com by Friday, October 13.

COURSE AGENDA

SCHEDULE

NFPA 70E 2015 Updates

- Review of Important Revisions & Standards
- Approach Boundaries
- Flash Boundaries
- Selection of PPE
- Voltage Rated Regular Gloves
- Clearing Time for Fuses and Breakers

Electrical Safe Work Practices

- Qualified Person Requirements
- Training Requirements
- Selection and Use of Work Practices
- Work on De-energized Parts
- Lockout/Tagout
- Working On or Near Exposed Energized Parts
- Test Instruments and Equipment
- Safeguards for Personal Protection
- Proper Use of Rubber Goods
- Insulated Tools
- ARC Rated Clothing

Electrical Hazards

- Electrical Shocks, Arcs and Blasts
- Fault Current and Potential Difference
- Electrical Safety in Industrial Plants

Safety Maintenance Practices

- Switchgear
- Fuses and Circuit Breakers
- Premise Wiring Controllers

Safe Installation Practices NFPA 70E

- Guarding Live Parts
- Effective Grounding
- Working Clearances