

NFPA stands for National Fire Protection Association. The purpose of NFPA 70E is to protect workers from severe electrical hazards. Professionals working in or around electrical environments are required to meet NFPA 70E requirements and complete training. Training is required for both “qualified persons” and “non-qualified persons.” also including workers whose exposure may not be a part of the individual’s regular job responsibilities.

Scope:

We teach general electrical safe work practices. The focus of this 8-hour course is to protect workers from arc flash and shock dangers.

Instructor led topics include, but are not limited to:

- Introduction to NFPA 70E.
- Safety Related Work Practices.
- General Requirements for Electrical Safety Related Work Practices.
- Electrical Safety Program.
- Energized Electrical Work Permits.
- Lockout/Tagout.
- Working On or Near Live Parts.
- Alternative Methods of Determining Arc Flash FR Clothing and PPE.
- General NFPA 70E standards pertaining to Personal and other Protective Equipment.

The course delivery will include in-class group work and hands-on lab work.

Objectives:

Upon completion of this course, attendees will be able to:

- Understand standards for electrical safety.
- Understand the relationship between OSHA and NFPA 70E.
- Understand ARC ratings.
- Create safe working conditions.
- Understand electrical shock hazards.
- Understand circuit breakers.
- Execute lockout/tagout.
- Understand hazards of live parts.
- Understand general standards on personal protective equipment.

Final Assessment: The final assessment must be passed with a 70% to receive a certificate of completion.

Prerequisites:

Basic electrical safety knowledge, understanding of both OSHA standards and safety regulations.

Suggested Class Size:

Minimum 10

Maximum 18

Course Length:

8 hours (1 day)