

Electrical Safety in the Workplace

Safety



Course Code:
TRNSCSAFARC01

Course Length
Includes Time for
Lunch & Breaks:
8 Hours

.7 CEU's Available*

Register:
www.schneider-electric.us/go/customertaining

*final CEU amount
dependent upon local
State Policy and
approval

Description

One-day instructor-led course providing a basic understanding of how to establish and maintain a safe working area relative to hazards arising from the use of electrical equipment; includes review of pertinent content from the NFPA 70E, 2018 Edition. **This course meets the mandate of training as prescribed in the NFPA 70E, 2018 Edition, Chapter 1, Article 110.2.**

Audience

Workers facing risks of hazards involving electrical equipment, and personnel responsible for electrical safety plans

Prerequisites

- None

Course Materials

Participants receive a student guide and copy of the 2018 Edition of the NFPA 70E.

Content

- Changes to the 2018 Edition of the NFPA 70E Standard for Electrical Safety in the Workplace from the 2015 Edition
- Electrical injuries resulting from shock
- Worker selection of correct PPE/Arc Flash rated clothing
- Electrical safety plans, job briefings, Lockout/Tagout programs, electrical work permits and equipment labels
- Limits of approach for energized electrical equipment
- Arc Flash and safety hazards to employees/workers

Objectives

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

- Identify the limitations of the NFPA and relationship to OSHA as they pertain to electrical safety.
- Recognize 2 general categories of electrical hazards.
- Identify the 5 primary effects on the human body resulting from exposure to electrical shock, or Arc Flash.
- Identify the 11 components of an Electrical Safety Program. .
- Identify the requirements of a successful Lockout/Tagout Program.
- Identify the Limits of Approach.
- Select the appropriate PPE for use when working with energized equipment using new Tables from the 2018 NFPA 70E.
- Recognize compliant equipment labeling.
- Identify the principles and safety procedures associated with the hazards of working on energized equipment.

IACET Provider



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