

TRAINING SYLLABUS

Course Number: NCCER 26501-18
CEU Assignment: 1.0
Course Title: Managing Electrical Hazards

Course Description

Introduces electrical hazards in the workplace and describes how to avoid electrical hazards and how to analyze and document shock and arc flash hazards. Explains how to plan and conduct work around electrical shock and arc flash hazards. Includes examples of how to complete an energized electrical work permit, and how to select the specialized personal protective equipment (PPE) required for electrical work. Provides familiarity with NFPA 70E. This training was designed and updated to meet the 2018 edition of NFPA 70E: Standard for Electrical Safety in the Workplace and the 2017 NEC.

Fee / Class Size: \$900.00 per trainee, 6 trainee minimum - 12 trainee maximum*

Prerequisites: None

Course Duration: 12 hours (Usually 1.5 days)

Contact Information

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Course Objectives

- Identify electrical hazard types and locations, and explain related safety guidelines and terms
- Recognize and explain hazard boundaries
- Explain employer and employee responsibilities in recognizing and managing electrical hazards
- Identify common factors that lead to electrical incidents and explain the importance of using good judgment, appropriate procedures, and safe work practices
- Analyze the electrical hazards of a given task, plan the job and complete an electrical work permit request
- Select, inspect and maintain personal protective equipment (PPE) and test equipment used for electrical work
- Identify common factors that lead to electrical incidents and explain the importance of using good judgment, appropriate procedures and safe work practices
- Analyze the electrical hazards of a given task, plan the job and complete an electrical work permit request
- Select, inspect and maintain personal protective equipment (PPE) and test equipment used for electrical work

Performance Task

- Given a specific electrical task and circumstances, complete an energized electrical work permit request

Required Student Materials: NFPA 70E-2018 and NCCER 26501 Trainee Manual (both provided as part of tuition)

Outcome Measurement: Written Exam / Practical

Grading Policy: Min. 70% to pass / PASS-FAIL

*Assumes classes are held in Lewisville, TX. On-site training is available for an additional travel charge.