

Electrical Safety NFPA 70E



The NFPA 70E Standard for Electrical Safety requires retraining in safety-related work practices and the applicable changes in the standard at least every 3 years. Additionally, refresher training should occur whenever there is a change in job assignment, a change in the type of equipment or processes present, or when the worker is not complying with safety-related work practices.

This refresher training fulfills this requirement in an efficient 8-hour format.

Topics include the essential knowledge and skills for conducting thorough risk assessments, selecting, inspecting, and properly using personal protective equipment (PPE), and verifying the safety of equipment for normal operation. Participants will also learn how to create detailed job safety plans to ensure safe electrical work and understand the critical procedures for establishing an electrically safe work condition through Lockout/Tagout (LOTO).

Participants will use both the NFPA 70E and NTT's Electrical Safety Job Aid to review real-world scenario safety-related practices, enabling them to apply best practices consistently in the field.

WHAT THIS COURSE COVERS

- Conducting the Risk Assessment
- PPE Selection, Inspection, and Use
- How to Verify Equipment is Safe for Normal Operation
- How To Create a Job Safety Plan for Safe Electrical Work
- Creating an Electrically Safe Work Condition (LOTO)
- Using the NTT Pocket Sized Electrical Safety Job Aid

WHO SHOULD TAKE THIS

- Electrical Workers
- Electrical Maintenance Staff
- Maintenance Technicians
- EHS Personnel
- Operators Who Operate Electrical Equipment

COURSE OUTCOMES

- Identify Shock and Arc Flash Hazards
- Complete a Job Safety Plan
- Conducting the Risk Assessment
- Select, Inspect, and Use of PPE
- Verify Condition of Equipment
- Setup Protection Barricade
- Establish Electrically Safe Work Condition

COURSE AGENDA

- Conducting the Risk Assessment
- Select & Inspect PPE
- Barriers, Boundaries, and Barricades
- Verify Condition of Equipment
- Establish Electrically Safe Work Condition



Lecture



Hands-on



ONSITE: 1-day (8 hours)



LIVE ONLINE: 1-Day (8 hours)



ONSITE - TRAINING TOUR - LIVE VIRTUAL - ONLINE - HANDS ON - AUDITS - CONSULTING - **TRAINED WORKERS. STRONGER COMPANIES.**
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Electrical Safety NFPA 70E Refresher



A DIVISION OF ECPI UNIVERSITY

COURSE AGENDA

Contact Hours: 8.00
CEUs: 0.8



CEU applicability is determined by your governing board or state approval.

1 Day

Opening Remarks:

- Welcome, Introductions
- Ground Rules, Safety
- Introduction To Electrical Safety

MODULE I: Conducting The Risk Assessment

- Identifying Electrical Hazards
- Shock Risk Assessment
- Arc Flash Risk Assessment
- Complete The Job Safety Plan (JSP)
- Conduct The Job Briefing

MODULE II: Select PPE

- Inspect PPE
- PPE Use And Care.

MODULE III: Establish Barriers, Boundaries, And Barricades

- Determine Shock Protection From Job Safety Plan
- Determine Arc Flash Protection From Job Safety Plan.

MODULE IV: Verify Condition Of Equipment

MODULE V: Establish Electrically Safe Work Condition

MODULE VI: Course Completion

- Course Summary
- Pose Course Assessment
- Review and Submit Completed JSP
- Course Evaluation

Students To Bring

- PPE Category 2 including Face Shield
- Voltage-rated rubber gloves, leather protectors
- Arc-flash suit and hood (typically rated at 40 cal/cm² or more), and arc-rated tools

NTT Digital Exercises

- NTT Electrical Safety App



Lecture



Hands-on

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