



ELECTRICAL SAFETY: NFPA 70E OVERVIEW

DURATION: 1 DAYS



Live Online Training
Single Class Capacity: 15



Onsite – In Class Training
Single Class Capacity: 25

Available both Live On-line and at your location, this course is intended for electrical workers, supervisors, managers responsible for electrical workers and HES personnel who are responsible for electrical safety programs and, the health and safety of workers.

Throughout this course students will actively identify the requirements from the NFPA 70E Standard for Electrical Safety in the Workplace in relation to performing safe electrical work in the field.

This course is designed to fit annual retraining on the NFPA70E® standard needs.

WHAT THIS COURSE COVERS

- Electrical hazard identification and mitigation
- Electrical safety program requirements
- How to NFPA 70E Risk Assessment requirements to: Identify boundaries, barricade location and electrical (PPE)
- How to create a Job Safety Plan for safe electrical work
- Practice creating an Electrically Safe Work Condition (LOTO) using the NTT Electrical Safety Risk Assessment Checklist and the NTT 3D Simulator

WHO SHOULD TAKE THIS?

- Electricians
- Operators
- Supervisors
- HES / Safety Personnel

COURSE OUTCOMES

- Identify hazards and NFPA 70E mitigation methods associated with electricity
- Identify basic requirements for an electrical safety program
- Perform Shock and Arc Flash Risk Assessments
- Complete a Job Safety Plan
- Create an Electrically Safe Work Condition



Every NTT course is eligible for CEUs (or Continuing Education Units) with your governing board approval or your states approval.



ELECTRICAL SAFETY: NFPA 70E OVERVIEW

DURATION: 1 DAYS



Live Online Training
Single Class Capacity: 15



Onsite – In Class Training
Single Class Capacity: 25

COURSE AGENDA

Identify the Hazards and Mitigation Methods

- Shock and Burn injuries: Outline of Annex K Statistics
- Define in Article 100: Qualified Person, Working On, Electrically Safe Work Condition, Energized Electrical Work Permit and discuss how each helps mitigate electrical incidents

The Electrical Safety Work Program

- Article 110, General Requirements for Electrical Safety-related Work Practices

Perform Shock and Arc Flash Risk Assessments

- Use NTT work orders as scenarios
- Review of 130.4 and 130.5
- Flow charts in 70E

Complete a Job Safety Plan

Using NTT App, document on their notepad, check off JSP in App

- Perform a Risk Assessment
- Select PPE
- Verify Condition of Equipment
- Setup Protection Boundaries
- Establish an ESWC

Create an Electrically Safe Work Condition (LOTO)

- Using the NTT Electrical Safety Risk Assessment Checklist and the NTT 3D Simulator (or the JSP Checklist in NFPA 70E when 3D Simulator is not available)

Course Summary

- Course Evaluations
- Assessment: Use NTT 3D Simulator in “Test Mode”

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

NTT DIGITAL EXERCISES

- NTT App
- NTT 3D Simulator



ELECTRICAL SAFETY: NFPA 70E OVERVIEW

DURATION: 1 DAYS




Live Online Training
Single Class Capacity: 15

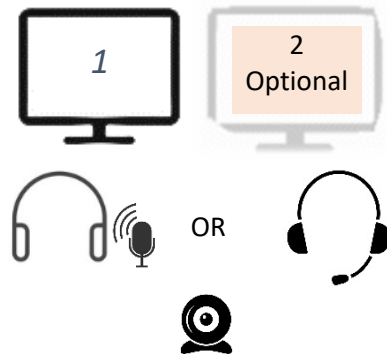


Onsite – In Class Training
Single Class Capacity: 25

EQUIPMENT & MATERIALS

CLIENT PROVIDED COMPUTER REQUIREMENTS (Live Online Training only)

- Student email address to receive access to NTT's online platform
- Internet Access through a computer (laptop or desktop)
 - 1:1 Participant minimum bandwidth requirements: 1.2 Mbps (download)  1.2Mbps
- Ability to download and view files online
- Two monitors recommended but only one required
- Computer Speakers
- Computer Microphone
- Computer Web Camera
- Browser Requirements are:
 - Chrome 78, 79, 80
 - Edge 44 (Windows only)
 - Edge 79
 - Firefox 71 and 72 (Extended Releases are not supported)
 - Safari 12 and 13 (Macintosh only)
- CLIENT PROVIDED for Onsite courses
 - Classroom, with easy access, of 750 square feet or greater.
 - Projection screen, white board and/or flip chart(s).



NTT PROVIDED STUDENT MATERIALS

- Access to NTT's online platforms:
 - Canvas for digital exercises
 - Zoom for web video conference
 - No purchase or install necessary but students will be required to test the system they will be taking the class on before the day of training.
- Student Materials
 - Hard-Copy of Industry Standard, NTT App, and general consumables: notepad, pens/highlighters, tabs

