



## ELECTRICAL SAFETY AWARENESS

**DURATION: 0.5 DAY - 4 HOURS**



Live Online Training  
Single Class Capacity: 15



Onsite – In Class Training  
Single Class Capacity: 25

A great awareness-level course, offered in both an online live virtual format for remote students and an onsite, in-class option to make it easier for your team to attend.

This course emphasizes the role of the “unqualified worker.” These persons may be office personnel or operate switches and circuit breakers, operate electrical power tools, handle extension cords or be near exposed energized electrical work. This will help the unqualified worker to be aware of electrical hazards.

### WHAT THIS COURSE COVERS

- OSHA & NFPA requirements for electrical safety in the workplace
- Define what an unqualified person is and techniques to protect themselves
- Identifying electrical hazards in the work place
- Safe operation techniques for electrical equipment
- Electrical incidents, basics of emergency response and contact release of a shock victim

### WHO SHOULD TAKE THIS?

- Office personnel
- Warehouse & material handling personnel
- Millwrights, Welders, Pipefitters & Mechanical personnel
- Facility Engineer - Custodian

### COURSE OUTCOMES

- Understand OSHA & NFPA requirements for electrical safety in the workplace.
- Review how the unqualified persons can protect themselves by identify the hazards and effects of electricity.
- Understand protection boundaries used to alert the unqualified worker.
- Learn the basics of unqualified person’s shock and arc rated PPE and its use.
- Recognize what do during an electrical incident, basic emergency response and contact release of a shock victim.



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

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### COURSE AGENDA

#### 1. Electrical Safety and Your Electrical Safety Program

- Review of the latest data on electrical safety
- Understanding who is an “Unqualified Person,” and what they may and may not do
- Understanding who is a “Qualified Person,” and what they may and may not do
- Important NFPA definitions

#### 2. The Potential Hazards Faced by Non-Electrical Workers

- Review of shock, arc flash and incident energy
- Review methods of shock and arc flash mitigation
- Review OSHA extension cord and GFCI requirements and safety

#### 3. Electrical Safe Work Practices and Procedures

- Interpreting Equipment Arc Flash Labels
- Interpreting Electrical safe work boundaries
- Safe work techniques for operating electrical equipment

#### 4. Electrical Personal Protective Equipment

- Review of usage requirements for electrical PPE (arc rated clothing & shock protection)
- When electrical PPE is needed by the unqualified worker

#### 5. Electrical Emergency Response

- Potential severity of electrical incidents
- Requirements for Electrical Emergency Response Training
- How to safely perform contact release of a shock victim

#### 6. Summary questions and final quiz



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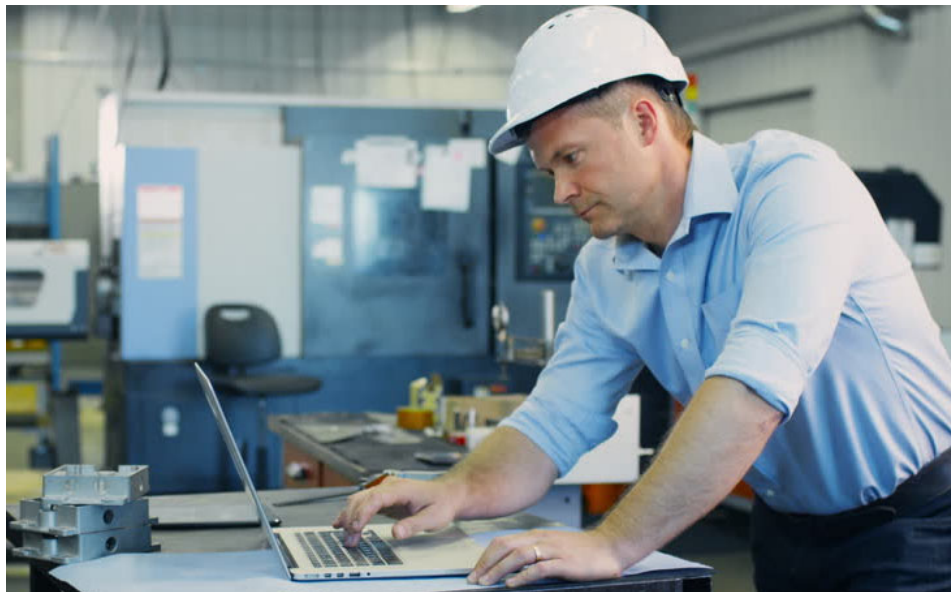
### EQUIPMENT DETAILS

#### CLIENT PROVIDED COMPUTER REQUIREMENTS (Live Online Training only)

- Internet Access through a computer (laptop or desktop)
- Computer Speakers
- Computer Microphone
- Computer Web Camera
- Ability to download and view files online
- Browser Requirements for NTT's online portal are as follows:
  - Chrome 78 and 79
  - Firefox 71 and 72 (Extended Releases are not supported\*)
  - Edge 44 (Windows only)
  - Edge 79
  - Safari 12 and 13 (Macintosh only)

#### NTT PROVIDED STUDENT MATERIALS

- Text: NTT's Arc Flash Electrical Safety [based on NFPA 70E®] Workbook
- Consumables: notepad, pens/highlighters/tabs



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