

Minnesota State

Community and Technical College
Custom Training Services

COURSE OUTLINE

Title: NFPA 70E Electrical Safety – Qualified Worker Training

Project/Course Number: IHS239

Contact Hours: 8

Category:

Sub-Category:

Project/Course Description:

Electrical safety must not be taken lightly. Daily, an arc flash explosion sends a burn victim to a special burn center. This course explains the NFPA 70E standard and its relationship to OSHA. Participants will learn proper lockout/tagout (LOTO) procedures; correct Personal Protective Equipment (PPE); proper electrical meter use and care; and arc flash hazard analysis and assessment.

Project/Course Goals:

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

- Understand “What is NFPA 70E?”
- LOTO
 - Learn the OSHA and NFPA 70E standards for LOTO
 - LOTO specifications
 - Proper procedures
 - LOTO devices
- PPE
 - Requirements
 - Selection
 - Care and Proper Use
- Electrical Meters
 - Functions
 - Safety
 - Selection
 - Care and proper use
- Arc Flash Hazard Analysis and Assessment
 - Understand Energized Work
 - Analyze barriers, labels and one-lines
 - Learn how to make proper assessments

- Understand exposure to electricity is dangerous- it can cause electrocution, shock, electric and thermal burns, arc flash and arc blast burns, and secondary injuries such as falls.
- Always follow safe work practice, including proper emergency response procedures.
- Always follow the company's electrical safety program, which is designed to protect you and other workers from electrical hazards.

Resources: Qualified Instructor & Handouts

Physical Set-Up: Classroom

Program Manager: Melissa Olheiser

Date: 8/30/16