

## National Electric Code Update Course

- **Course Sponsor:** Industrial Safety Equipment
  - Sponsor:** Industrial Safety Equipment  
4792 South Plum Street  
Salt Lake City, UT 84107  
801-288-4009  
FAX 801-288-8935  
E-mail: [debbie@indsafetysafequip.com](mailto:debbie@indsafetysafequip.com)
- **Class Duration:** 16 Hours (2- Eight Hour Class Days)
- **Participants:** Journeyman or Master Electricians
- **Class Format:** Classroom Lecture
- **Course Outline Day 1:**
  - National Electric Code Update (2017 Edition) **8 HOURS**
    - Analysis of Changes 2017 (IAEI & NFPA)
    - Review and Discussion
- **Course Outline Day 2:**
  - NFPA 70E Overview **4 HOURS**
    - Creating an electrical safe work condition
    - Guidelines for OSHA compliance
    - Arc Flash Safety Program
    - Arc Flash Hazards Analysis
    - Arc Flash Labeling
    - PPE
    - Arc Flash Training
    - Tools for use on energized equipment
    - Understand and describe electric shock and arc hazards
    - Vendor related topics latest technology
      - Differential Protection
      - Arc Suppression Equipment
      - Switched Instantaneous Trip Modifications
  - Electrical Construction for Industry **4 HOURS**
    - Power protection systems and grounding installations for construction
    - Earth Testing (Techniques and Equipment)
    - Ground, Grounded, Grounding, and Bonding based on NEC Code
    - Hazardous Location Installation and NEC Code
- **Instructor:** Bill Bonini  
Journeyman Electrician (WY J-3981 1988)  
Electrical Engineer (University Wyoming 1993)  
Western Wyoming Community College Instructor (2011)