

## Electrical Safety & Lockout-Tagout

Inherent dangers exist with generation, transmission, and distribution of electricity. The proper use of safety equipment, knowledge of electrical hazards, and knowledge of how to respond in the event of an electrical disaster are absolutely essential for all electrical personnel. This electrical safety program will provide the student with the information needed to comply with the latest OSHA and company specific requirements in electrical safety. The latest technology, standards, and materials available are presented and demonstrated. Anyone who works on or near power generation, transmission, or distribution systems should attend this course. Additionally, supervisors, managers, safety personnel, and those responsible for ensuring a safe work environment should attend this course.

Duration: 16 Hour Program

### **BACKGROUND & SAFETY FUNDAMENTALS**

- Definition and Basic Premise
- Equipment Requirements
- Wiring Requirements
- Work Space
- Grounding and Guarding

### **WORK PLANNING**

- Plan Elements
- Hazard Analysis
- MOPs
- Briefing Requirements

### **ENERGIZED WORK**

- Preliminary Planning
- Permissions
- Energized Work Permit
- Selection and Use of PPE
- Boundaries
- Insulated Tools
- Close Out Inspections

### **OTHER REQUIREMENTS**

- GFCI Use
- Interlocks
- Safe Switching
- Emergency Response

### **LOCK OUT/TAG OUT**

- Recent Findings
- Definitions
- Contractors
- Verifications of De-Energization
- Application of Personal Protective Grounds
- Re-Energization
- Working On or Near Energized Equipment
- Equipment Specific Procedures

### **EXERCISES**

- Preparing EWP
- Preparing LOTO Procedures