



Certified Electrical Systems Specialist (Hazardous Location)

32 Hours / 3.6 CEU,s

Course Fees: \$1195.00

Note: Refresher certification is required every three years to maintain professional credential.

Renewal Fee: \$150.00

Course Description:

Identify hazardous zones; learn codes, standards and certification requirements. The National Electrical Code® (NEC) defines hazardous locations as those areas where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flying's.

Articles 500 through 504, and 510 through 517 provide classification and installation standards for the use of electrical equipment in the three classified hazardous locations: type, condition and nature. Also learn about design issues, proper grounding and bonding, safe wiring methods and maintenance techniques.

Course Outcome, You will learn:

- OSHA regulations as the apply to Hazardous locations
- Basic installation requirements
- Hazardous location identification
- Design issues
- Grounding and bonding
- Codes, standards, certification, and marking
- Other protective schemes

- Wiring methods
- Maintenance

Who is This Class For? People who will benefit from attending this **course** includes:

- Electricians
- Mechanics
- Environmental health & safety personnel
- Apprentice and experienced HVAC technicians
- Supervisors working on or who oversee employees working on 50V or greater equipment
- Linemen & Utility workers
- Owners & managers
- Maintenance Technicians
- Fire Alarm Technicians
- Plant & facility maintenance technicians
- Building engineers
- Building managers & superintendents
- Plant & facility managers
- Stationary engineers
- Safety director

Testing: Students completing the course must take a proctored final exam. A score of 80% on the final exam is necessary to receive your professional credential The student gets three (3) attempts to pass the course.