**Basic Electrical Safety Training**

**Info Sheet**

Course Information

## Course Length - 4 hours

## Course Description - This course lays the framework for basic electrical understanding in order to build in hazard recognition. Students learn about the effects and thresholds of electric shock and arc flash. With basic electrical understanding, students easily learn about basic components such as receptacles, switches, and power tools. Personnel protective devices such as GFCI and grounding conductors are explained and demonstrated. Additional electrical safety topics are discussed, including battery safety, power line safety, and initial response to electrical fire and electric shock events.

**Who Should Attend -** This course is designed for persons that are not electrical workers yet are exposed to a greater than normal risk of electrical shock due to their job activities. This course is designed for persons that are not electrical workers yet are exposed to a greater than normal risk of electrical shock due to their job activities. This includes workers that use portable electric tools or extension cords.

## Terminal Objective

Upon completion of training, the student shall be able to explain the electrical safety requirements as they pertain to non-electrical in accordance with NFPA 70E and OSHA.

## Topics Covered:

* Hazards of using cord and plug connected tools and equipment
* The relationship between electrical hazards and possible injury
* Explain the use and limitations of electrical protective devices
* Assured Equipment Grounding Conductor Program
* Electrical safety requirements for electrical equipment and cord use
* Utilization load application scenarios
* Recognize unsafe electrical working conditions
* Proper response to electrical accidents

## References

1. NFPA-70E Standard for Electrical Safety in the Workplace, 2021 edition
2. 29 CFR 1910 OSHA General Industry
3. 29 CFR 1926 OSHA Construction