



Basic Electrical Safety Training

Course information sheet

Course duration 4 hours

Course overview

Instructor-led basic electrical safety training for non-electrical workers. The course connects shock and arc flash hazards with potential injuries and covers safe use of cord-and-plug equipment, protective devices, grounding, and initial response to electrical incidents.

Who should attend

This course is intended for non-electrical workers whose duties may expose them to electrical hazards, including those who:

- Work near electrical equipment or electrical workers
- Use portable electric tools or extension cords
- Face a higher than normal risk of electrical shock in their assigned work

Learning outcomes

- Recognize electrical hazards, possible injuries, and unsafe working conditions.
- Explain the use and limitations of protective devices, grounding, and an assured equipment grounding conductor program.
- Assess portable electrical equipment, cord use, and utilization load scenarios for safer practices.
- Identify the appropriate initial response to electrical shock and fire incidents.

Topics covered

Electrical basics; shock and arc flash effects; receptacles, switches, and power tools; GFCIs and grounding conductors; cord inspection and installation; battery and power line safety; and response to electrical incidents.

Format and references

Instructor-led discussion and demonstration, with formative assessment through questions, discussion, and participation. References: NFPA 70E (2027 edition); 29 CFR 1910; and 29 CFR 1926.

Course inquiries 509-396-3008 | [ElecTrain.com](https://www.electrain.com)