



Content
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Electrical Safety Training for EHS Managers

Course details: <https://electricityforum.com/electrical-training/electrical-safety-training-ehs-managers>

COURSE DATES AND TIMES

October 1-2 , 2025

10:00 am - 4:30 pm ET

Electrical Safety Training for EHS Managers, Supervisors and Specialists provides a comprehensive overview of worker hazard awareness, regulatory compliance, risk assessment, Lockout/Tagout practices, and safety program management. Designed specifically for safety managers, EHS professionals, electrical supervisors, and facility leaders, this course equips students with the knowledge and tools to properly oversee electrical safety training programs and practices, and support compliance with [NFPA 70E](#), [CSA Z462](#), and [OSHA 29 CFR 1910](#) standards.

Course Themes

- Managing the safety of Qualified and Unqualified workers under OSHA and NFPA 70E
- Leadership responsibility for workplace hazard control
- Risk assessment, LOTO program management, PPE oversight
- Contractor safety management and multi-employer coordination
- Regulatory compliance, auditing, documentation, and inspection readiness
- Emergency planning and incident response

In addition to technical awareness, this electrical safety training course emphasizes leadership responsibilities in developing and maintaining safety policies that foster a culture of compliance and risk reduction.

This electrical safety training course complements our front-line electrical safety training courses — such as [NFPA 70e Training](#), [CSA Z462 Arc Flash Training](#), [High Voltage Safety Training](#), [Electrical Safety for Non-Electrical Workers](#), [OSHA Lockout Tagout Training](#), and [OSHA Electrical Safety Compliance](#) — by offering EHS managers and supervisors the broader understanding necessary to lead successful electrical safety programs across their organizations by focusing specifically on program development, auditing, and management strategies. Graduates of this course will be fully prepared to lead safety initiatives, oversee qualified worker instruction, and sustain compliance with both OSHA and CSA safety regulations.

Electrical Safety Training Course - Learning Objectives

- Understand the critical role of EHS managers and supervisors in safety leadership.
- Distinguish between Qualified and Unqualified workers and manage their safety responsibilities.
- Apply NFPA 70E, CSA Z462, and OSHA 29 CFR 1910 standards to workplace safety practices.
- Develop and manage comprehensive Electrical Safety Programs, including risk assessments and safe work procedures.
- Create and oversee PPE programs to protect workers from shock and arc flash hazards.
- Support Arc Flash and Shock Hazard Awareness Training for employees and contractors
- Build and enforce effective Lockout/Tagout (LOTO) procedures and hazardous energy control programs.
- Manage contractor and vendor safety compliance on multi-employer worksites.
- Organize and maintain critical safety documentation, training records, and permits.
- Conduct internal audits, identify gaps, and drive continuous improvement in safety performance.

- Plan and coordinate emergency preparedness and response for electrical incidents

How This Electrical Safety Training Course Differs from Our Electrical Safety Program Development Course

While both electrical safety training courses are designed to strengthen workplace leadership, this Electrical Safety Training for EHS Managers and Supervisors course provides a broader focus on regulatory compliance, risk assessment, Lockout/Tagout program management, and contractor safety coordination. In contrast, our [**Electrical Safety Program Development Course**](#) offers a deeper, one-day intensive specifically focused on writing, implementing, managing, and auditing an organization's formal electrical safety program. Together, these courses offer complementary skill sets, helping EHS professionals lead both day-to-day practices and long-term program development with confidence.

More Electrical Safety Training Courses

[NFPA 70e Arc Flash Training](#)

[CSA Z462 Arc Flash Training](#)

[High Voltage Safety Training](#)

[OSHA Lockout Tagout Training](#)

[OSHA Electrical Safety Compliance](#)

[Electrical Safety for Non-Electrical Workers](#)

WHO SHOULD ATTEND

- EHS Managers and Directors responsible for safety oversight
- Safety Supervisors and Coordinators managing field-level compliance
- Plant Managers and Facility Supervisors overseeing maintenance operations
- Electrical Supervisors managing qualified workers
- Safety Specialists and Compliance Officers involved in OSHA or CSA regulatory compliance

- Project Managers coordinating work with outside contractors
- Risk Managers and Auditors responsible for hazard assessments
- Anyone tasked with developing, auditing, or managing safety programs

STUDENTS RECEIVE

- FREE 100-Page Digital Arc Flash Handbook (Value \$20)
- Certificate of Course Completion
- \$100 Coupon Toward any Future Electricity Forum Event (Restrictions Apply)
- 1.2 Continuing Education Unit (CEU) Credits
- FREE Magazine Subscription (Value \$25.00)
- Course Materials in PDF Format

COURSE OUTLINE

Electrical Safety Training for EHS Managers and Supervisors - Course Outline

DAY ONE

1. Introduction to Electrical Safety Leadership

- The role of EHS managers and supervisors in safety oversight
- Leadership's influence on safety culture and employee engagement
- Overview of key hazards: shock, arc flash, arc blast

2. Roles and Responsibilities of EHS Managers and Supervisors

- Legal duties under OSHA, NFPA 70E, and CSA Z462

- Defining the difference between Qualified and Unqualified electrical workers
- Ensuring that only properly Qualified personnel perform energized work
- Supervisory responsibilities for hazard control, compliance, and documentation

3. Regulatory Overview: NFPA 70E, CSA Z462, OSHA 29 CFR 1910

- Understanding and applying key regulations and standards
- Compliance obligations for employers, supervisors, and contractors
- Integrating standards into company programs

4. Safety Program Development and Management

- Core elements of an effective electrical safety program
- Policies and safe work procedures for controlling electrical hazards
- Building sustainable systems for training, compliance tracking, and audits

5. Arc Flash and Shock Hazard Awareness Training

- Understanding arc flash energy, shock boundaries, and PPE requirements
- The role of managers in supporting risk mitigation and worker education
- Incident energy analysis concepts for hazard labeling programs

6. Risk Assessment and Hazard Mitigation Strategies

- Conducting arc flash and shock risk assessments
- Using the hierarchy of controls to eliminate or reduce hazards
- Supervising job safety planning and field-level hazard analysis

DAY TWO

7. PPE Program Development and Oversight

- Creating PPE programs for electrical hazards (arc-rated clothing, gloves, face shields)
- Selection, maintenance, and enforcement responsibilities for management
- Auditing PPE compliance in day-to-day operations

8. Lockout/Tagout (LOTO) Program Development and Implementation

- Building and maintaining hazardous energy control procedures
- Ensuring training for both Qualified and Affected (Unqualified) employees
- Conducting periodic inspections and correcting LOTO program deficiencies

9. Contractor and Vendor Management

- Hiring and prequalifying contractors based on performance
- Developing and enforcing contractor safety programs and responsibilities
- Managing safety obligations on multi-employer worksites

10. Managing Documentation and Records

- Required documentation: risk assessments, energized work permits, training records
- Organizing and maintaining compliance documentation for internal and external audits
- Managing incident reporting and corrective action tracking

11. Auditing, Program Evaluation, and Continuous Improvement

- Developing internal audit programs
- Identifying non-compliance, hazard trends, and root causes
- Implementing effective corrective actions and performance improvement

12. Emergency Preparedness and Response for Electrical Incidents

- Planning for electrical shock, arc flash, and fire emergencies
- Training workers in emergency procedures
- Aligning electrical emergency response with overall site emergency plans

Questions and Answers

COURSE TIMETABLE

Both days:

Start: 10:00 a.m. Eastern Time

Finish: 4:30 p.m.

Contact us Today for a FREE quotation to deliver this course at your company's location.

<https://electricityforum.com/onsite-requestforquote>