

Arc Flash & Shock

Training & Interactive

Workshop

Register now to attend updated electrical safety training based on the new 2024 edition of the CSA Z462 Standard.

Electrical safety training is required every 3 years or less and shall address changes and updates to safety-related work practices.

Course Highlights:

- Arc Flash and Shock Hazards: What they are, and how to identify when you are exposed to them.
- Energized Electrical Work: What this means, and how to apply the Hierarchy of Risk Control Methods to reduce risk.
- Roles and Responsibilities: Who is qualified to perform electrical work.
- Job Safety Planning: How to complete a job safety plan and job briefing.
- Electrically Safe Work Condition: 8-step procedure requirements.
- Energized Electrical Work Permit (EEWP): What this is, and how (and when) to use it.
- Risk Assessment Procedure: Learn how to identify hazards, assess risks, and implement risk control methods.
- Arc Flash & Shock PPE: Review new and innovative products that improve worker safety, compliance and comfort.
- Hands-On, Interactive Workshop: Lessons using a variety of PPE, tools, and equipment.
- Work Task Exercises: Apply knowledge using common job examples.
- Emergency Procedures: Learn how to respond to emergency situations including methods of contact release.

Keep your workers safe by ensuring they have the up to date and compliant training they need to do their day to day work tasks confidently.

Your workers benefit from instruction that includes comprehensive student materials, a hands-on arc flash & shock PPE demonstration, learning aids and practical work task exercises.



11/27/2024: Oshawa, ON

11/28/2024: Kingston, ON

12/03/2024: Richmond, BC

12/05/2024: Coquitlam, BC

8:00 am - 4:30 pm Local Time

\$399 Per Person

Contact your Levitt-Safety
Representative

Who Should Attend?

- Qualified Electrical Workers (electricians, electrical engineers, electrical engineering technologists, and other trades with electrical scope).
- Task Qualified (trades with electrical scope including HVAC, Cathodic Protection, Elevator, Fire Alarm and Overhead Door and Crane Mechanics/Technicians, Power Engineers and REFM Plumbers.)
- Qualified Instrumentation Workers
- Associate Electrical Workers (Apprentices, EITs, Technologists-In-Training)
- Electrical Safety Standby Person/Safety Watch (Qualified Electrical Worker or other category)
- Maintenance Managers and Supervisors



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Electrical Safety Training Overview

This electrical safety training course is intended to educate electrical workers to identify the hazards of shock and arc flash, and prevent injuries and incidents in the workplace associated with those hazards.

1. Welcome/Introduction & Agenda
2. OH&S Regulations, Consensus-Based Standards and Industry Best Practices
3. Roles and Responsibilities, Qualified and Unqualified Persons
4. Electrical Safety: Identifying Hazards and Assessing Risk
 - Plan, Do, Check, Act
 - Electric Shock, Arc Flash and Arc Blast
 - Approach Boundaries and Limits
 - Overhead Power Lines, Limits of Approach or Minimum Approach Distances
 - Normal and Abnormal Equipment Conditions
 - Other Factors Affecting Equipment Condition
 - Look, Listen and Smell
5. Risk Assessment Procedure
 - What is Energized Electrical Work?
 - Justifying Energized Work
 - Hierarchy of Risk Control Methods
 - Job Safety Planning and Job Briefing
 - Energized Electrical Work Permit (EEWP)
 - Shock Risk Assessment & Arc Flash Risk Assessment
 - Determining The Limited and Restricted Approach Boundaries
 - Additional Protective Measures
 - Selecting Arc Flash PPE
 - Incident Energy Analysis (Engineering) Method
 - Arc Flash PPE Category (Table) Method
6. Establishing and Verifying an Electrically Safe Work Condition
 - Lockout Tagout
 - Test Instruments and Test Equipment
 - Test-Before-Touch
 - Portable Cord-and-Plug-Connected Electric Equipment
 - Ground-Fault Circuit Interrupters (GFCIs)
 - Temporary Protective Grounding (TPGs)
 - Re-energizing In Normal Equipment Conditions
 - High Voltage Switching Requirements
7. Engineering and Administrative Controls
 - Hierarchy of Risk Controls
 - Equipment Labels and Signage
8. Electrical Specific PPE, Tools and Equipment
9. Emergency Response and Incident Reporting
10. Summary Review and Course Test

