

Arc Flash & Low Voltage Safety

Cost: \$395.00

City & Prov	Dates	Code
Toronto, ON	Feb 13, 2012 - Feb 13, 2012	OR12005
Calgary, AB	Feb 23, 2012 - Feb 23, 2012	OR12026
Victoria, BC	Mar 05, 2012 - Mar 05, 2012	OR12009
Edmonton, AB	Mar 12, 2012 - Mar 12, 2012	OR12029
Dartmouth, NS	Mar 15, 2012 - Mar 15, 2012	OR12041
Saskatoon, SK	Apr 23, 2012 - Apr 23, 2012	OR12033
Richmond, BC	Apr 24, 2012 - Apr 24, 2012	OR12012
Winnipeg, MB	May 24, 2012 - May 24, 2012	OR12035
Dartmouth, NS	Nov 12, 2012 - Nov 12, 2012	OR12039

This one-day course is designed for workers responsible for electrical systems and needing certification in the CSA Z462 electrical safety standard which has come into effect in 2009. This standard covers safe work practices related to electrical dangers in the workplace. The successful participant will gain a solid understanding of hazards encountered while operating or maintaining electrical installations in the low voltage (below 750V) class including a full understanding of the arc hazard categorization, appropriate PPE selection and safe work procedure.

This course is taught by certified electrical professionals with decades of field experience and solid credentials as professional adult learning instructors. This program includes professionally designed slides, videos and extensive use of case studies. This program examines the electrical hazards found in industry and stresses the importance of the individual employee proactively recognizing hazards and applying safe work practices with the goal of zero incidents.

Who Should Attend:

Engineers, Electricians, Instrumentation Mechanics, Technicians, Managers & Safety Professionals

ELECTRICAL ACCIDENTS

Objective: Realize the damage electrical accidents can cause to the human body and understand the basic principles of safety.

SUBTOPICS:

- Electrocution
- Arc Flash
- Arc Blast
- Protection

RESPONSIBILITIES

Objective: Recognize workplace law requirements and how to meet them.

SUBTOPICS:

- Managers and Supervisors
- Workers
- Federal Legislation
- Maintaining a Defensible Position

ARC FLASH MITIGATION

Objective: Apply various mitigation strategies at a corporate and personal level.

SUBTOPICS:

- Distance
- Current
- Time
- PPE
- Job Hazard Analysis
- Standard Operating Procedures
- Safe Work Practices

GENERAL REQUIREMENTS FOR ELECTRICAL SAFETY-RELATED WORK PRACTICES

Objective: Ensure corporate compliance with CSA Z462.

SUBTOPICS:

- Responsibilities
- Training Requirements
- Electrical Safety Program

WORK ON OUR NEAR LIVE PARTS

Objective: Conduct daily work in accordance with CSA Z462.

SUBTOPICS:

- Justification for Work
- Energized Electrical Work Permit
- Hazard Analysis
- Approach Boundaries To Live Parts
- Shock Protection
- Flash Protection
- Personal Protection Equipment

ESTABLISHING AN ELECTRICALLY SAFE WORK CONDITION

Objective: Fulfill the ESWC requirements of CSA Z462.

SUBTOPICS:

- Process of Achieving an ESWC
- Working on or New De-Energized, LOTO Equipment
- Temporary Protective Grounding Equipment

“Well worth taking.”

- **Glen Zawislak, Boeing**

“A must take and a great reminder for others.”

- **Ben Vander Roest, Atlantic Windows**

"Hands on, practical exercises, very valuable, gives a good understanding of the standard."

- **Dan Plant, Lowe, Gravelle and Associates**

"Instructor was outstanding...I highly recommend it."

- **Terry Fahey, Fahey Electric**

"...covered a broad range of low voltage safety concerns including arc flash. The instructor was well prepared and experienced which was helpful when asking questions. The most valuable thing I learned from the training was how to perform arc flash risk calculations.

- **Eldon Carpenter, Electrician, Department of National Defence**

"Very good instruction. Gave a overview of how the standard works and how to analyze the equipment you are working on"

- **Trent Wanner, SaskPower**

"The instructor was very good and the arcflash information was valuable. Recommended"

- **D. Wall, Supervisor, Graymont Aggregates**

"The instructor was very informed on all the sections described for this course and did an excellent job of illustrating the possibilities of an arc flash exposure. This is a must take course for those new to the electrical field and an excellent reminder for others"

- **B. Vander Roest, Maintenance , Atlantic Windows**

"Highly recommended!"

- **James Gregoire , Boeing**

"Great knowledge and fun to listen to made the course interesting."

- **Jared Stitsen, Inland Aggregates**