



This course has been designed to help you become more aware of the risks presented by electricity and overhead power lines. If an incident occurs, equipment and property can be damaged and people can be seriously hurt, or killed. This course presents scenarios to provide you with an understanding of how you can protect yourself, your co-workers, and the general public from the electrical hazards you may encounter when carrying out work near overhead power lines. This course has been designed to help you meet all regulatory and government requirements including the Alberta Occupational Health and Safety Code.

This **two-hour** course is part of the THRIL certificate program series, developed by Gemini and well-known, highly respected industry professionals. THRIL certificates are designed to easily and inexpensively obtain essential training that leads towards recognized certification and qualifies for compulsory certification maintenance points to preserve ROH and CRSP designations.

On completion of this course you will be able to:

- Obtain a better understanding of electricity,
- Describe power distribution systems,
- Summarize the effects of electricity on people and equipment,
- Identify the danger associated with electricity,
- Describe Voltage, Current and Resistance,
- Give examples of conducting and non-conducting materials,
- List the parts of 3 phase power systems,
- State the body's tolerance for electricity,
- Describe current's effects on the body,
- List the procedures to be taken when there is an accident involving a power pole,
- List the steps to take if work has to be completed within 7 metres of a power line, and
- List the steps to take when the machinery you are operating contacts an energized line.

THRIL assessments are also available for all THRIL courses ideal for learners that wish to challenge the course for recertification purposes.

