



**ESA**

**Electrical Safety  
Mining Services Group**

## **Mining Services -Training Module**

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# **Electrical Safety Awareness in Mines and Mining Plants**

### Course Overview:

An Electrical Safety Workshop focused on raising awareness of mining-specific hazards in mines and mining plants. Intended for non-electrical personnel, the module makes specific references to Provincial Mining Regulations, CSA Standard M421-93-00 “Use of Electricity in Mines” and the Canadian Electrical Code. The topic is developed largely by discussion of photos illustrating common electrical hazards found in mine settings.

### Course Topics:

- Raise awareness of the dangers of electricity in the workplace
- Basic electrical terms
- Hazards associated with electrical energy and the mechanisms of:
  - Electrical shock
  - Electrical fire
  - Electrical explosion
- Misapplication of products
- Protecting yourself and others from electrical hazards.

### Course Purpose:

- Learn about the hazards of electricity using general electrical terms.
- Recognize potential hazards that may have been previously overlooked.
- Provide detailed information to ensure protection for anyone involved in or working around electrical installations.
- Increase knowledge and awareness of work place safety for all key personnel.