**ELECTRICAL POWER ENGINEERING TECHNOLOGY (ELET)**

The **Training Elements** of a student in Electrical Power Engineering Technology major entering co-op Program in a company should include some or all of the following:

1. **Company Profile**
* Overview of the company’s production/manufacturing facilities and the job role of an electrical technician within this structure.
* Safety rules and regulations.
1. **Workshop Maintenance**
* Overhauling, assembly & disassembly for electrical machines (motors, generators, transformers, etc.).
* Troubleshooting of electrical equipment.
* Preventive maintenance of critical equipment.
* Maintenance and repairs of control devises used in distribution boards.
* Maintenance, repairs of power control devices.
* General maintenance and repair procedures.
1. **Electrical Maintenance**
* Troubleshooting and fault findings for the power and control circuits and components of Machines and Switchgears.
* Backup distribution of Electricity.
* Low voltage distribution system of sub-stations.
* AC/DC electrical machines and their operations.
1. **Operation**
* Low voltage distribution system of sub-stations.
* Different types of pumps and their function& operations.
* Identify types and applications of Contactors, Sensors and other Electrical Switches are used in production Areas.
* Installation of underground cables within the plant.