

## CERTIFICATE

- One year
- Start date varies
- Seal Cove Campus

## COURSES

CODE	TITLE	Hrs
<b>Block 1 Entry Level</b>		
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
OL1610	Defensive Driving	6
OL1620	Environmental Awareness	4
OL1630	Orientation to the Trade	20
OL1640	Vehicle Familiarization	20
OL1660	Basic Hand and Specialty Tools	15
OL1670	Basic Power Tools	10
OL1650	Powerline Technician Equipment	25
ER1140	DC Theory	30
ER1150	Series and Parallel	45
ER1180	AC Theory (Single Phase)	60
OL1680	Chainsaw Familiarization	10
OL1830	Customer Service Connections	30
OL1700	Interpret Drawings, Specifications, and Standards	10
OL1710	Distribution Line Design and Construction I	70
OL1711	Distribution Line Design and Construction II	70
OL1712	Distribution Line Design and Construction III	70
OL1720	Conductors	20
OL1730	Conductor Sizes and Measurements	2
OL1740	Sagging Conductors	10
OL1750	Tree Pruning	6
OL1850	Rigging	40
OL1690	Pole Safety	10
OL1760	Rescue at Heights	30
OL1770	Mobile Hydraulic Training	30
OL1600	Traffic Control Person	4
OL1780	Transmission Structures	10
OL1790	Grounds (Personal Structures and Vehicles)	30
OL1840	Single Phase Revenue Metering	15
OL1820	Street Lighting	30
OL1810	Transformers	30
MA1060	Basic Math	60
CM2150	Workplace Communications	45
MR1220	Customer Service	30
SP2330	Quality Assurance/Quality Control	30
MC1050	Introduction to Computers	30
SD1700	Workplace Skills	30
SD1710	Job Search Techniques	15
SD1720	Entrepreneurial Awareness	15
OT1160	Workplace Exposure	60
<b>Block 2 Advanced Level</b>		
OL2510	System Operating Practices	30
OL2520	Three-Phase Theory	60
OL2530	Transformer Banking	60
OL2540	Power Transformers	25
OL2550	Paralleling Three Phase Circuits	25
OL2560	Single-Phase and Three-Phase Revenue Metering	10
OL2570	Substations, Switching Stations and Terminals	30
<b>Block 3 Advanced Level</b>		
OL2610	Switches and Protective Devices	30
OL2620	Voltage Regulations	30
OL2630	Underground Construction	75
OL2640	Underground System Operation	75
OL2650	Line Capacitors	20
OL2660	Electronic Reclosers	30
<b>Block 4 Advanced</b>		
OL2710	Live Line Work (Hot Stick)	120
OL2720	Live Line Work (Rubber Glove)	120

## INDUSTRIAL TRADES

# Powerline Technician (Operating)

This is a program designed to prepare persons for employment with electric power distribution utilities.

The Provincial Apprenticeship and Certification Board through legislative authority is responsible for the registration of apprentices and trade qualifiers into the designated occupations.

The registration of an apprentice will take place when an individual is employed in a field of work directly relating to a designated occupation, and has a Memorandum of Understanding (MOU) signed between the Division of Institutional and Industrial Education, an employer and the apprentice.

After successful completion of this program, and the required work experience, the apprentices qualify to return to complete advanced level training in preparation for writing the Journeyperson's Examination.

**Note:** Students should be aware of the strenuous physical dexterity required in this training program. Employers will normally demand all applicants to undergo a physical capabilities assessment prior to hiring.

## OBJECTIVES

1. To provide the appropriate learning opportunities required for employment as a powerline technician.
2. To assist students with the development of appropriate attitudes and behaviour that are conducive to working with other persons in this occupation.
3. To develop and strengthen related knowledge and skills in subjects that complement and support the trade.

## ENTRANCE REQUIREMENTS

Comprehensive Arts and Science Certificate (College Transition program),

**OR**

High School Graduation,

**OR**

Grade XI Certificate (Public Examinations or equivalent),

**OR**

Adult Basic Education (Level III) Graduation,

**OR**

Adult Basic Education (Level III) Graduation with General College Profile (or Business Related College Profile or Degree and Technical Profile). It is strongly recommended that courses include the following:

1. Mathematics MA3107A, MA3107B, MA3107C

2. Science 3101, 3102, 3103

**OR**

Persons 19 years of age or older who do not possess the educational prerequisite for this program may be considered on an individual basis under the Mature Student Clause.

## EQUIPMENT REQUIRED FOR TRAINING

Coveralls, boots, gloves, safety hat, safety glasses, chin strap and rain clothes.

**Note:** All entrants must have a valid Class 5 License prior to entry into the Powerline Technician (Operating) program. Motor Vehicle Regulations require persons to have a valid Class 5 for a minimum of 24 months prior to applying for a Class 3 License.

