



Photos courtesy of Hydro One

### Program Information

The Pre-Technology (Electrical) Ontario Certificate program is being offered in partnership with Hydro One as a result of their long-time commitment to and support of education in this field. This program has been created to support regional workforce development, specifically to help increase the number of qualified candidates able to work in the electrical field. **First semester expenses including tuition, residence accommodations and a meal plan are eligible for Hydro One sponsorship.** Eligible students may apply for Indigenous Post-Secondary Funding and OSAP to assist with costs for the second and third semesters.

This program is designed to provide students with the skills and academic requirements necessary to pursue further post-secondary education in engineering technology and skilled trades programs, and apprenticeships. Students will participate in classroom lectures, hands-on lab experiences and industry certifications. Graduates of this program will receive the knowledge necessary to develop a concrete career direction, improve critical thinking skills, use problem-solving techniques and develop crucial life skills essential for personal and career success.



## Admission Requirements

1. Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level;
2. or successful completion of the Mature Student Assessment;
3. or successful completion of the General Education Development Test (GED);
4. or appropriate credits from the Academic and Career Entrance program (ACE).

## Additional Information

The number of sponsored seats are limited. To qualify for sponsorship, eligible applicants may be required to complete a Workplace Essential Skills Assessment.

First Semester will be offered in Thunder Bay. Students may be able to attend Semester 2 & 3 classes at one of the following regional campuses subject to enrollment: Dryden, Lake of the Woods (Kenora), Rainy River District (Fort Frances) and Sioux Lookout. The program will start May 8, 2017.

## Program Outcomes

The program outcomes for the Pre-Technology (Electrical) program are listed below. These outline what those enrolled in the program can expect to learn and accomplish before graduation.

1. Enhanced mathematical literacy by solving technical problems using arithmetic, fractions, algebra, geometry and trigonometry.
2. Solve technical problems and perform technical tasks by applying principles of mathematics and science.

3. Develop study skill strategies required for success in post-secondary programs.
4. Develop strategies for ongoing personal and career development to enhance work performance in multi-disciplinary workplaces.
5. Select, use and maintain machinery, tools and equipment safely and competently as required in various technical fields.
6. Use various computer applications appropriately and in a manner relevant to technical workspaces.
7. Make an active and constructive contribution to group projects and discussions.

## Graduates will be granted:

Pre-Technology Ontario Certificate  
Personal and Career Development – Certificate

## Graduates will also earn industry certifications including, but not limited to:

- WHMIS (Workplace Hazardous Materials Information System) Certification
- First Aid and CPR Certification
- Fall Protection Systems Certification

## Employment Opportunities

Completion of the program will provide graduates with the skills and academic requirements necessary to pursue further post-secondary education in engineering technology and skilled trades programs, and apprenticeships.

A G license is required to qualify for apprenticeships with Hydro One.

**NOTE: There are no jobs directly associated with the completion of this program.**

## First Semester (12 Weeks)

### Personal and Career Development

- JR 001 Job Readiness  
MC 155 Microsoft Applications

### Certifications – (5.5 Days)

Certifications will include, but are not limited to:

- WHMIS
- Occupational Health and Safety
- Standard First Aid/CPR “A”
- Fall Protection Systems (Including Ladder Safety)

Certifications may also include:

- Aerial Work Platforms (Scissor/Boom Lifts)
- Propane Equipment Operation (Torches and Heaters)

## Second Semester (15 Weeks)

- CS 016 Writing Strategies I  
MA 125 Applied Pre-Tech Math  
SC 145 Pre-Technology Physics I  
EL 135 Electrical Studies I

## Third Semester (15 Weeks)

- CS 026 Writing Strategies II  
MA 225 Applied Pre-Tech Math II  
SC 245 Pre-Technology Physics II  
EL 235 Electrical Studies II

## For information, please contact:

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