Job Posting: 176461 - Position: S26 University Co-Op Student- Protection, Automation & Generation 176461

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/26/2026 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	01/05/2026 02:24 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Hydro One Networks Inc.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
<b> Job Title <b>	S26 University Co-Op Student- Protection, Automation & Generation 176461
Position Type	Co-op Position
Job Location	Barrie, ON
Country	Canada
Duration	12 or 16 months
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Salary Range $	$2,064.34 - $3,189.88 / bi-weekly

Job Description

Job Title: University Co-Op Student- Protection, Automation & Generation-12-16 Months-Barrie- May 2026

Job ID: 51083

Deadline: **January 26, 2026**

Hydro One is proud to be the largest electricity transmission and distribution provider in Ontario, serving nearly 1.5 million customers. We have a long history in the industry with our roots dating back over 110 years to 1906. Since then, we have worked to grow and evolve to meet the changing needs of our customers and communities across Ontario. Today, we're focused on providing exceptional customer service and ensuring we are building safe communities where we live, work and play.

It's an exciting time to join the team at Hydro One!

The co-op position is intended to familiarize the individual with the concepts, tasks and processes a Distribution Line Technician (DLT) performs at Hydro One. The student is assigned a DLT mentor and is expected to work in conjunction with the normal DLT tasks, which includes gaining a basic understanding of the system tools (CYME, CYME TCC, GIS), terminology and processes we use on a regular basis. They are learning the most basic task a DLT performs including; power system model building, power system equipment data attributes, protection curves and sequences. We typically hire 3rd to 4th year Engineering students who are expected to have a solid background in Power Systems, Computer Science and have a desire to work in the Utility Industry.

General Accountabilities:

• Working knowledge of writing software with Python and JavaScript.

•Carry out engineering studies pertaining to Distribution Power System protective co-ordination, voltage regulation and other similar

undertakings associated with distribution planning and/or field operations as required to minimize the extent of uncontrollable service interruption or determine the impact on existing protective co-ordination scheme station/line loading and/or expected voltage levels.

•Acquire, scrutinize and calculate data to be used for engineering analysis tools, ensuring it is suitable and correct for entry.

•Determine applicability of the data produced from the output of the engineering analysis tools. As required, perform distribution power systems impact studies, Distributed Energy Resource (DER) studies as a result of new customer loads / DER's; prepare customer load connection requirements and distribution power system recommendations to meet published specifications and codes based upon results obtained through engineering analysis, and submit to appropriate authority for review.

•Utilize computers, engineering software and ancillary equipment to facilitate work function.

•Assist with coding of electrical engineering supporting software.

•Recommend improvements, revisions and the like related to computer programs/software and related engineering tools (Integration of new Technology into the above processes); submit reports/correspondence to supervisor or appropriate authority for review and subsequent approval.

•Perform other duties as required.

Skills the Student will Acquire:

• This role will allow the student become familiar with per unit analysis and system modelling of distribution systems

•The student will gain knowledge in utility distribution protection schemes and become familiar with protection elements.

•The student will gain knowledge in load flow and fault calculations. The student will gain an understanding of Distributed Energy Resources (DER) analysis and how we approve DER to connect to our distribution system.

•This role will allow the student to collaborate within a team of engineers and technologists who are responsible for providing varying engineering analysis studies of the distribution system.

As part of our commitment to building a thoughtful and values-driven team, we encourage you to create your application materials-such as your resume, cover letter, and any written or oral responses-without the use of AI tools.

We're genuinely interested in hearing your story, in your own words. Your personal voice, experiences, and perspective help us understand how you might contribute to our team and culture.

Thank you for taking the time to share your authentic self with us.

If you are an international student, please ensure you have obtained a proper work permit and a Social Insurance Number (SIN). Speak with your school's career centre if you have any questions about acquiring this documentation.

At Hydro One we understand that the success and strength of our business rests with our people. When we develop their skills, we are investing in both their success and ours. To secure the best talent, we seek to create a workforce that reflects the diverse populations of the communities where we live and work and to create a culture based on safety, innovation and inclusiveness.

Thank you for considering a career with Hydro One, we welcome applications from all qualified candidates. If you are having difficulty using our online application system and you need an accommodation due to a disability, please email careers@hydroone.com. Hydro One will provide reasonable accommodation for qualified individuals with disabilities in the job application process.

Please note this email is only for accommodation requests. Resumes sent to this email address will not be considered.

Job Requirements

Selection Criteria

Essential Knowledge:

• Good knowledge of one or more of the following:

•Requires advanced computer skills and experience to become familiar with computer program applications and applicable systems to facilitate the preparation of studies and the generation of data.

•A good knowledge and comprehension of three-phase AC power system theory, grounding, basic economics, mathematics, computer applications and related subjects in order to successfully conduct studies involving protective co-ordination, voltage regulation and improvement techniques.

•Advanced computer skills and experience to become familiar with computer program applications and applicable systems to facilitate the preparation of studies and the generation of data.

•This knowledge is typically gained after 2 years of an electrical engineering technology or computer science discipline.

•This position will be a combination of remote and in-person attendance

Academic Level: 3rd or 4th Year

Dicsipline: Computer Engineering / Software Engineering / Electrical Engineering / Computer Science

Hydro One requires that all students applying for student opportunities be enrolled in post-secondary level studies and be returning

to full-time studies upon the completion of their work term. Exceptions will be made in cases where students require a work term in order to graduate. Only applications submitted via Hydro One's career page will be accepted

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website
Cover Letter Required? Optional
Special Application Instructions

Application Link:

https://jobs.hydroone.com/job/Barrie-University-Co-Op-Student-Protection%2C-Automation-&-Generation-12-16-Months-Barrie-May-2026-ON/1290619447/

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Students should submit their applications as soon as they are ready.