



**RUSS EDWARDS
SCHOOL**
Agriculture & Environment

Eligible for
**FINANCIAL AID
& AWARDS**

CIVIL TECHNICIAN

1-Year Certificate

Provide technical support to scientists, engineers and other professionals, or work independently. You'll collaborate with multidisciplinary teams to ensure civil engineering projects meet goals while adhering to safety, sustainability and legal standards.

PROGRAM LEARNING OUTCOMES

- ▶ Participate in the design and modeling phase of civil engineering projects by applying engineering concepts, basic technical mathematics and principles of science to the review and production of project plans.
- ▶ Carry out sustainable practices in accordance with contract documents, industry standards and environmental legislative requirements.
- ▶ Collaborate with the project team and communicate effectively with project stakeholders to support projects.
- ▶ Collect, process and interpret technical data to produce written and graphical project-related documents.
- ▶ Use industry-specific electronic and digital technologies to support projects, such as surveying or AutoCAD.
- ▶ Assist in the scheduling, cost estimation and monitoring of the progression of civil engineering projects by applying principles of construction project management.
- ▶ Perform quality control testing and the monitoring of equipment, materials and methods involved in the implementation and completion of projects.
- ▶ Apply teamwork, leadership and interpersonal skills when working individually or within multidisciplinary teams.
- ▶ Develop and use strategies to enhance professional growth and ongoing learning in the civil engineering field. Comply with workplace health and safety practices and procedures in accordance with current legislation and regulations.
- ▶ Complete duties and assist in monitoring that work is performed in compliance with contractual obligations, applicable laws, standards, bylaws, codes, and ethical practices in the civil engineering field.

You might be a good fit for this program if you would enjoy:

- ▶ A one-year entry level program in an engineering related field.
- ▶ Working in areas such as construction design and supervision, highways and transportation.
- ▶ Honing you visualization skills, applying mathematical solutions, and working with computers.
- ▶ Planning, decision making and coordination of infrastructure projects.
- ▶ A valid driver's license and access to a vehicle is strongly recommended given the need to travel for co-op placement.



Campus/Delivery Options
Victoria Avenue East campus



Available Intakes
September



Industry Work Experience
16 weeks/600 hours