



**RUSS EDWARDS
SCHOOL**
Agriculture & Environment

Eligible for
**FINANCIAL AID
& AWARDS**

CIVIL TECHNOLOGY

MUNICIPAL ENGINEERING SPECIALIZATION

2-Year Diploma

Elevate your expertise to tackle advanced design and technical roles while gaining hands-on experience in data analysis, digital technologies, project management, quality control, and sustainable practices.

PROGRAM LEARNING OUTCOMES

- ▶ Collect, process, analyze and coordinate technical data to produce written and graphical project-related documents.
- ▶ Participate in the design and modeling phase of civil engineering projects by applying engineering concepts, technical mathematics and principles of science to the review, production and/ or modification of project plans.
- ▶ Contribute to the scheduling and coordination and cost estimation of civil engineering projects and monitor their progression by applying principles of construction project management.
- ▶ Coordinate and perform quality control testing and evaluate equipment, materials and methods used in the implementation and completion of civil engineering projects.
- ▶ Complete duties and monitor that work is performed in compliance with contractual obligations, applicable laws, standards, bylaws, codes and ethical practices in the civil engineering field.
- ▶ Promote and carry out sustainable practices in accordance with contract documents, industry standards and environmental legislative requirements.
- ▶ Facilitate the collaboration and interaction among the project team and project stakeholders to support civil engineering projects.
- ▶ Apply teamwork, leadership, supervision and interpersonal skills when working individually or within multidisciplinary teams to complete civil engineering projects.
- ▶ 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.
- ▶ Use industry- specific electronic and digital technologies to support civil engineering projects.



Campus/Delivery Options
Victoria Avenue East campus



Available Intakes
November



Industry Work Experience
16 weeks/600 hours