



**RUSS EDWARDS  
SCHOOL**  
Agriculture & Environment



# CIVIL TECHNOLOGY

## MUNICIPAL ENGINEERING SPECIALIZATION

ELIGIBLE FOR  
**FINANCIAL AID  
& AWARDS**  
[assiniboine.net/financialaid](http://assiniboine.net/financialaid)

2-YEAR  
DIPLOMA

Take your skills and knowledge to another level and experience real-world applications in research, planning, drafting and project management.

### PROGRAM LEARNING OUTCOMES

- » Collect, process, analyze and coordinate technical data to produce written and graphical project-related documents.
- » Use industry- specific electronic and digital technologies to support civil engineering projects.
- » 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.



**Campus/Delivery Options**  
Victoria Avenue East campus



**Available Intakes**  
September



**Work Integrated Learning**  
N/A

## This program is a good fit if you would enjoy...

- ✓ Building on your Civil Technician certificate for career advancement to technologist level.
- ✓ Learning advanced theory and practical technology skills including computer-aided design and modeling, field surveying, 3D modeling, and laboratory testing.
- ✓ Project management, team environments, and leadership challenges.
- ✓ Being part of major infrastructure projects across the region and in your community.

## EXPECTATIONS

### Program & Industry

- » Work in a variety of environments including laboratories, offices and industrial areas and working conditions may include a combination of indoor and outdoor work.
- » Work outdoors which could include conducting field inspections or investigating topography, soil, drainage and water supply systems, road and highway systems, or buildings and structures.
- » Keep up with technological advances in surveying, environmental monitoring, data management and civil design that has allowed for work to be completed more quickly than in the past.
- » Tolerate environmental conditions and potential hazards from equipment and construction materials when performing field work.
- » With experience, civil engineering technologists can progress to construction supervisors, project engineers or managers, construction estimators, or construction managers.

## CAREER OPPORTUNITIES

Engineering and architectural firms • manufacturers • construction and development companies • inspection testing agencies • material suppliers • departments within government

## ADMISSION REQUIREMENTS

- » Civil Technician certificate from Assiniboine Community College. Applicants with a Civil Technician certificate from other post-secondary institutions will be assessed on a case-by-case basis.

# NEXT STEPS

Confidence in the career path you choose to embark on is key, and selecting the right program for you is the first step. At Assiniboine, we offer an opportunity to explore and experience a program before applying.

## SPEND A DAY WITH US

Our Spend a Day program runs from November to March for most programs. When you spend a day at Assiniboine, we partner you with a current student in the program of your choice and you will have the opportunity to:

- » Participate in classroom activities
- » Experience college life
- » Explore all of our helpful services for students
- » Meet current college students and instructors
- » Enjoy a free lunch on us!

## ATTEND AN ONLINE INFO SESSION

Our free, live online information sessions give you the inside scoop on our college, the program you're interested in and life at Assiniboine. Register in advance and from the comfort of your own home, log in to learn what Assiniboine has to offer.

[assiniboine.net/experienceACC](https://assiniboine.net/experienceACC)

## STILL NOT SURE?

Contact our recruitment team to arrange a campus tour or an appointment to discuss your career options.

## APPLY TODAY

[assiniboine.net/applynow](https://assiniboine.net/applynow)

