



**RUSS EDWARDS  
SCHOOL**  
Agriculture & Environment



# CIVIL TECHNICIAN

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

**1-YEAR  
CERTIFICATE**

Develop your problem-solving skills and strengthen your career through drafting, surveying and computer-aided design skills.

## 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.



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



**Available Intakes**  
September



**Work Integrated Learning**  
16 weeks

## This program is a good fit 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
- ✓ Good visualization skills, enjoys math solutions, and working with computers
- ✓ Planning, decision making and coordination of infrastructure projects
- ✓ Interested in drafting, surveying and modeling; road and highway analysis and municipal infrastructure design; concrete, soil and asphalt testing;
- ✓ A valid driver's license and access to a vehicle is strongly recommended given the need to travel for co-op placement.

## 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.
- » Keep up with technological advances
- » Tolerate environmental conditions, and potential hazards from heavy equipment construction materials when performing field work.

## CAREER OPPORTUNITIES

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

## ADMISSION REQUIREMENTS

- » A complete Manitoba Grade 12 or equivalent
- » English 40G/40S or equivalent
- » Pre-Calculus or Applied Mathematics 40S or equivalent with a minimum mark of 65%

# 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)

