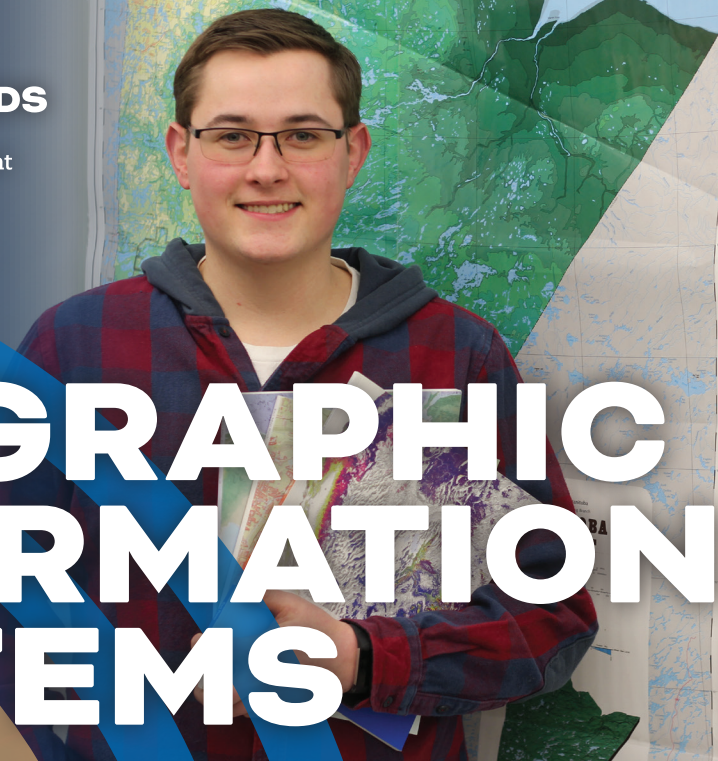




**RUSS EDWARDS
SCHOOL**
Agriculture & Environment



GEOGRAPHIC INFORMATION SYSTEMS

ELIGIBLE FOR
**FINANCIAL AID
& AWARDS**
assiniboine.net/financialaid

8-MONTH
ADVANCED
DIPLOMA

Learn how to collect and analyze geographic data, create maps and visualizations, and use GIS technology to solve real-world problems across any industry.

PROGRAM LEARNING OUTCOMES

- » Apply fundamental GIS concepts and tools to analyze and manage geospatial data.
- » Use GIS industry standard ESRI software to create maps, dashboards and other visualizations that effectively communicate spatial information to the public.
- » Interpret and analyze geospatial data using a variety of analytical techniques and methods so the data can be positioned in such a way as to tell a story to the intended audience.
- » Collect, process, troubleshoot and integrate geospatial data from multiple sources into a cohesive GIS project.
- » Design and implement a GIS database that effectively manages spatial data.
- » Use GIS to solve real-world problems in a variety of fields.
- » Effectively communicate GIS findings to diverse audiences, including technical and non-technical stakeholders.
- » Apply basic cartographic principles to design effective maps for a variety of purposes.
- » Demonstrate an understanding of GIS ethics and best practices, including data privacy, accuracy, and integrity.
- » Work effectively as part of a team to complete a GIS project, including project planning, data management, analysis, and visualization.



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...

- ✓ An eight-month program to build upon your previous education and career interests.
- ✓ Advancing your career through learning a transferable technology skill that every industry employs.
- ✓ Work with interdisciplinary teams to solve real world problems using cutting edge technology.
- ✓ Learning to operate specialized computer hardware and software and peripheral equipment to model, manage, analyze and display data.
- ✓ Enjoy working with computers to customize geographic information and convey digital information in visual ways.

EXPECTATIONS

Program & Industry

- » Be able to solve novel, ill-defined problems in complex, real-world settings.
- » Exercise judgment and decision-making, considering the relative costs and benefits of potential actions to choose the most appropriate one.
- » Monitor and assess individual performance, and to make improvements or take corrective action.
- » Work in a structured environment, such as an office but could also be required to collect data in an outdoor setting.

CAREER OPPORTUNITIES

Surveying • remote sensing • GIS • cartography • photogrammetry • government • utilities • mapping • software and app development • agriculture • forestry • criminology • architecture • engineering

ADMISSION REQUIREMENTS

- » Two-year diploma or university degree

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

STILL NOT SURE?

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

APPLY TODAY

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 **ASSINIBOINE**
COMMUNITY COLLEGE