GEOGRAPHIC INFORMATION SYSTEMS

8-MONTH ADVANCED DIPLOMA

Use the most modern GIS technologies to solve problems across a range of disciplines. Apply your prior education to work in agriculture, forestry, environmental management or natural resources.

Why choose the Geographic Information Systems advanced diploma?

1 Pinpoint your career

From Google to governments and marketing to mineral exploration, geographic information systems are used across a variety of industries. No matter what industry you are currently in, this advanced diploma gives you the opportunity to launch a new career or add a new marketable skill to your résumé. Build on your existing post-secondary education and learn cutting-edge environmental technologies.

2 Solve problems in the real world

Learn current GIS technologies and how to use them to solve real-world problems. You will use geographic information systems (GIS), remote sensing and global positioning systems (GPS), and drone technology to detail minute variations in land, water, vegetation and nutrient conditions.

3 Modern equipment and software

Experience with modern equipment and software will make you a hot commodity in resource-based industries. Learn to analyze data, find and incorporate related information, and then translate it into practical management decisions that can be applied in any number of industries.

4 Take your pick

Your career can take you almost anywhere: government, private industry and community organizations. There is tremendous opportunity for you in agriculture, forestry, watershed and environmental management, land use planning, natural resources and transportation.

FULL-TIME, ON-CAMPUS TIMELINE:

SEPTEMBER	JANUARY	JUNE
Fall term begins	Winter term begins	Graduation

Program delivery options: Victoria Avenue East Campus

CAREER OPPORTUNITIES

Aimed at university and college graduates who wish to add GIS knowledge to their skillset, this advanced diploma prepares you for a wide variety of occupations and fields, such as:

• Land planning and resource management organizations
• Conservation districts
• Government organizations
• Agribusinesses
• Consulting practices

ADMISSION REQUIREMENTS

• Two-year diploma or university degree

English is the language of instruction at Assiniboine. All applicants educated outside of Canada or in a country not on the test exempt list are expected to meet the English language proficiency requirement. See **assiniboine.net/elp** for more information.

TECHNOLOGY REQUIREMENTS

Programs at Assiniboine have certain technology requirements. Students require access to computer devices at home and may be required to bring these on campus when instructed. Refer to **assiniboine.net/tech** for more detailed information about the requirements for this program.

UNIQUE LEARNING EXPERIENCES

• Emphasis on practical, applied learning
• Tours and field laboratories
• Laboratories with high-tech equipment

GRADUATION REQUIREMENTS

To graduate with a Geographic Information Systems advanced diploma, students must successfully complete 60 credits.

The minimum passing grade for each course is indicated on the course outline.

PROGRAM FEES (DOMESTIC ONLY)

Tuition, fees and Students' Association fees total approximately **$5,020**.

Estimated costs for books and supplies are **$540**.

All fees are estimated and subject to change without notice.

COURSES 2021-22

NUMBER	COURSE TITLE	CREDITS
GEOS-0017	Advanced Spatial Analysis	6
GEOS-0018	Cartography	6
GEOS-0019	Geomatics Applications	6
GEOS-0026	GIS Analysis	6
GEOS-0021	GIS Database Management	6
GEOS-0024	GIS Project Management	6
GEOS-0020	GIS Server	6
GEOS-0023	GPS Applications	6
GEOS-0016	Programming for GIS	6
GEOS-0025	Remote Sensing / Image Analysis	6

*Note: Timelines, applicable industry experience, and teaching methodology will depend on program delivery choice; program information sheets subject to change without notice. Visit **assiniboine.net** for the most up-to-date information.*

NEXT STEPS

Apply now! Visit **assiniboine.net/applynow**.
For more information on this program,
visit **assiniboine.net/gis**.

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