Applied Geomatics (MSc)

Learn to manage information about the world around us, and how to use this information to solve real-world problems. Become a society and industry leader in mapping, planning, analysis, understanding and stewardship of the natural environment.

The Master of Science in Applied Geomatics is a two-year program focused on collaborative research, coursework, and data interpretation. During this joint program between Acadia University and the Nova Scotia Community College (NSCC), you will complete sets of courses at each of the two schools, and complete a research thesis or research project under the joint supervision of faculty from Acadia and the NSCC's Applied Geomatics Research Group.

Through this program, you will become skilled in the assembly, analysis, interpretation and presentation of biological, geological or environmental data – addressing an approved research subject and problem. By completion, you will be fully competent to tackle existing or predicted environmental problems from solid theoretical and practical foundations using a variety of skills, and an array of new technologies.

You would normally apply for this program while enrolled in the NSCC Geomatics diploma program, and acceptance is subject to availability of positions, faculty advisors, and adequate funding.

Be Inspired

Because Applied Geomatics is a joint offering between Acadia University and NSCC, you will benefit from the strengths of both schools – research and application of geomatics tools and infrastructure. This program also allows you to follow a path most suited to your interests – you can focus on an applied research project or an in-depth research project culminating in a thesis, and you can also explore in greater depth topics in environmental, biological, or geological issues, and with a specialization in GIS, Remote Sensing, or Marine Geomatics.

Program at a Glance (Thesis Option)

Year 1 - Term 1

Advanced Diploma at NSCC (GIS, Remote Sensing, or Marine Geomatics)
Year 1 - Term 2

Advanced Diploma at NSCC (GIS, Remote Sensing, or Marine Geomatics)

Year 1 - Term 3

GISY 6400
Capstone Project
GEOL/BIOL 5960
Thesis begins

Year 2 - Term 1

GEOL/BIOL 5960
Thesis continues
GEOL/BIOL 5xx3
Graduate course (at Acadia)
GEOL/BIOL 5xx3
Graduate course (at Acadia)
GEOM 5903
Applied Geomatics Seminar

Year 2 - Term 2

GEOL/BIOL 5960
Thesis continues

Year 2 - Term 3

GEOL/BIOL 5960
Thesis completion
Program at a Glance (Project Option)

Year 1 - Term 1

Advanced Diploma at NSCC (GIS, Remote Sensing, or Marine Geomatics)

Year 1 - Term 2

Advanced Diploma at NSCC (GIS, Remote Sensing, or Marine Geomatics)

Year 1 - Term 3

GISY 6400
Capstone Project

Year 2 - Term 1

GEOM 5990
Applied Geomatics Research Project begins
GEOL/BIOL 5xx3
Graduate course (at Acadia)
GEOL/BIOL 5xx3
Graduate course (at Acadia)
GEOM 5903
Year 2 - Term 2

**GEOM 5990**  
Applied Geomatics Research Project continues

**GEOL/BIOL 5xx3**  
Graduate course (at Acadia)

Year 2 - Term 3

**GEOM 5990**  
Applied Geomatics Research Project completion

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Environmental Science Students' Association
Acadia Graduate Students' Association

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