

# 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**

## Applied Geomatics Seminar

### Year 2 - Term 2

#### **GEOM 5990**

Applied Geomatics Research Project continues

#### **GEOL/BIOLOG 5xx3**

Graduate course (at Acadia)

#### **GEOL/BIOLOG 5xx3**

Graduate course (at Acadia)

### Year 2 - Term 3

#### **GEOM 5990**

Applied Geomatics Research Project completion



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**Get Involved:**

Fletcher Geology Club  
Environmental Science Students' Association  
Acadia Graduate Students' Association

**Contact****Graduate Advisors**

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