


## Programs


- Biological Sciences
- Biotechnology
- Earth Sciences
- Engineering Science
- Engineering Science
- Environmental Geoscience
- Environmental Sustainability
- Geography
- Recreation and Leisure Studies


## Co-op


- **Geographic Data Analyst** – Analyzes spatial data through mapping software and designs digital maps with geographic data and various other data sets.
- **Resource Management Technician** – Conducts site inspections, field survey compliance investigations and other operational activities.
- **Field Survey Assistant** – Assists and supports surveyors in field surveys, drafting survey notes, creating detailed drawings and recording measurements.
- **Lab Technician** – Performs lab procedures, develops lab processes and supports researchers.
- **Forest and Horticulture Survey Assistant** – Assists and supports surveyors in field surveys, drafting survey notes, creating detailed drawings and recording measurements.
- **Pesticide Technician** – Takes steps to control pests in landscapes, houses, and commercial buildings.
- **Planning Intern** – Assists a team of planners in collecting and preparing data for various planning projects while conducting fieldwork, collecting parcel data, and searching land records.
- **Localization Intern** – Adapts services and/or products to a specific location or market.
- **Environmental Planner** – Develops short-term and long-term plans for land use in urban and rural areas while considering social, economic, and environmental issues.

## Experiential Education Courses


 **Animal Behaviour (BIOL 3P60)** – Biological Sciences students complete lab work as part of an experiential research project to explore the social context of behaviour and natural selection.

 **Contemporary Environmental Issues (ENSU 3P90)** – Environmental Sustainability students complete creative projects on contemporary topics in environment and sustainability.

 **Exploration Geophysics (ERSC 3P93)** – Earth Sciences students process and record data in labs to understand geological interpretations and application of specific deposit types.

 **Field School – Quaternary Geology (ERSC/GEOG 3Q99)** – Earth Sciences and Geography students participate in field experiences and complete consulting projects on landscapes.


• **Human Impact on Ecosystem Imbalances (BIOL 1P27)** – Biological Sciences students complete labs to learn about current issues and the human impact on the environment.

 **Leadership in Environmental Sustainability Internship (ENSU 3P91)** – Environmental Sustainability students complete a 90-hour internship in which they work under


the supervision of a group, organization or agency and the Environmental Sustainability Research Centre to tackle specific problems in environmental sustainability.

• **Meteorology (GEOG 3P08/ERSC 3P08)** – Geography and Earth Sciences students study weather analysis and forecasting, climate change, weather hazards, and extreme events in labs.

• **Principles of Ecology (BIOL 2Q04)** – Biological Sciences students work in a lab to understand the ecological process of population, community, and ecosystem levels.




 **Research Themes in Water Resources (GEOG 4P83)** – Geography students engage with WWF-Canada to research a topic surrounding sustainability of water.




• **Surface Hydrology (ERSC 4P61)** – Earth Sciences students participate in local field trips to explore topics in surface hydrology (the study of water movement above ground i.e., rainwater, runoff, the routes that surface water takes, and the occurrence of floods and droughts).




 **Sustainable Rural Tourism (TOUR 4P32)** – Tourism Studies students complete field work and a research project on rural tourism as an alternative to community development.

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## Brock's Core Competencies

 Act Innovatively  
 Apply Knowledge  
 Be Curious

 Collaborate Effectively  
 Communicate Effectively  
 Engage with Your Community

 Know Yourself  
 Practice Intercultural Fluency  
 Surgite!

 Think Critically  
Learn more at  
[brocku.ca/ccee](http://brocku.ca/ccee)

# Environment

- 💡 **Watershed Study and Assessment (ERSC 4P31)** – Earth Sciences students measure the water quality of the Twelve Mile Creek to examine the impact humans have on local watersheds.

## Clubs

- Animal Activism Club
- Brock RECL Council
- BUSU Space club
- Canadian Coalition of Global Health Research
- Eco Society
- Leaders at Brock
- Plant-Based at Brock
- Student Hikers
- The Geology Club

## Competitions

- Eco Society Trivia
- RECL Connectival
- The Collegiate Leadership Competition (CLC)

## Volunteering & Student Jobs

### Volunteering:

- ↻ Executive positions on school clubs
- ✓ Living Learning Community (LLC) Peer Mentor in Residence
- 🗺️ Niagara Peninsula Aspiring Geopark
- 🗺️ Various opportunities through partnerships between community organizations and the Brock University Volunteer Association (BUVA)

### Student Jobs:

- ✓ A-Z Learning Services (Tutor)
- ✓ BaseCamp (Lead Instructors and Assistant Instructors)
- ✓ Brock Ambassador (Main Campus)
  - Brock University Students' Union
- 👥 Smart Start (Team Assistant and Team Lead)
  - The Digital Scholarship Lab and Map Data GIS (Student Assistants)
- 🗺️ Youth University (Camp Instructor and Coordinators)

## Professional Development

- ↻ A-Z Learning Workshops
- ↻ Med Plus or Law Plus
- 🔍 Petrographic Thin-Section Laboratory
- 👥 SEDS (Students from the Exploration and Development of Space) - Brock Chapter
- 🔍 Stewardship Speakers Series
- 🌐 Study, volunteer or work abroad
- 🔍 Sustainability Seminar Series
- 🔍 The World's Premier Mineral Exploration and Mining Convention
- 🔍 Whiteboard Talks
- ✓ Working Papers

### Leadership Programming (Student Life and Success):

- 👥 Brock Leads
- 👥 Building Leaders
- ✓ Foundations in Leadership
- ↻ The Niagara Region Student Leadership Summit (NSLS)