GEOGRAPHY

Geography can be defined as the integrated study of the Earth's places, societies, environments and landscapes. Among academic disciplines, Geography is unique in combining the social sciences and humanities with the physical sciences. In physical geography, or earth system science, we study natural processes, their interactions, as well as natural and human-generated environmental issues, such as climate change.

Sample Year by Year

<table>
<thead>
<tr>
<th>YEAR</th>
<th>REQUIREMENTS</th>
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<tbody>
<tr>
<td>1ST YEAR</td>
<td>7.0 units from MATH or STAT at the 100 level or above</td>
</tr>
<tr>
<td>2ND YEAR</td>
<td>9.0 units from CHEM or PHYS at the 100 level or above</td>
</tr>
<tr>
<td>3RD YEAR</td>
<td>12.0 units of electives and/or minor</td>
</tr>
<tr>
<td>4TH YEAR</td>
<td>12.0 units of electives and/or minor</td>
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Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are found in the Academic Calendar at: QUartsic.com/academic-calendar

GEOGRAPHY

GPHY-M-BSH  Major (Science) Bachelor of Science (Honours)

Geography can be defined as the integrated study of the Earth’s places, societies, environments and landscapes. Among academic disciplines, Geography is unique in combining the social sciences and humanities with the physical sciences. In physical geography, or earth system science, we study natural processes, their interactions, as well as natural and human-generated environmental issues, such as climate change.

1. Hands-on lab and field work. Engage communities, see results.
2. Gain a wide range of transferable skills that stand out in the labour market, like teamwork, cultural sensitivity, and tech savviness.
3. Learn to make sensible judgements about matters involving the physical environment and society.
4. Question the world you live in and get the skills you need to change it.
5. Join a community of scholars with close and interactive relationships with each other.

“Traveling and asking sometimes difficult questions was an integral part of my two geography degrees at Queen’s... the trilogy of land, people, and the struggle over resources, which formed the basis of much of my geography training, shapes not only how we should understand conflicts, but also how we can work to resolve them.”

-Krista House, BAH ’97

1.9 GPA AUTOMATIC ACCEPTANCE
min C- in GPHY 1##

1.9 GPA PENDING LIST

2018-19 thresholds

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: QUartsic.com

GEOGRAPHY AND PLANNING

Faculty of Arts and Science Mackintosh-Corry Hall, E208 68 University Avenue 613-533-6030 queensu.ca/geographyandplanning

Employment Relations
Entrepreneurship, Innovation and Creativity
Disability and Physical Activity
French for Professionals
Geographic Information Science
Global Action and Engagement
Indigenous Languages and Cultures
International Studies
Media Studies
Sexual and Gender Diversity
Urban Planning Studies
### 1ST YEAR

**GET THE COURSES YOU NEED**

In first year you will have the chance to explore the foundations of Geography in biology, chemistry, geography and geology along with some electives.

See the back page for specific courses to consider.

Attend Majors Night in the Winter term to learn more about Plan options.

#### GET RELEVANT EXPERIENCE

Join teams or clubs on campus such as Queen’s Project on International Development (QPID) and the Geography Explore Camp.

See the AMS Clubs Directory or the Queen’s Get Involved page for more ideas.

#### GET CONNECTED WITH THE COMMUNITY

Volunteer on or off campus with different community organizations, such as local charities or clubs like The Earth Centre.

#### GET THINKING GLOBALLY

Prepare for work or studies in a multi-cultural environment by taking QUIC’s Intercultural Competency Certificate, and research possible immigration regulations.

Speak to a QUIC advisor to get involved in their programs, events, and training opportunities.

#### GET READY FOR LIFE AFTER GRADUATION

Grappling with program decisions? Go to Majors Night or get some help wondering about career options from Career Services.

### 2ND YEAR

**GET THE COURSES YOU NEED**

Start going deeper into the discipline of Geography, while considering a minor and/or certificate such as Geographic Information Science. Attend Degree+ in the Fall term to learn more about Certificates and Internship options.

Want to make sure your academics are where you want them to be? Visit SASS (Student Academic Support Services) and the Writing Centre for some help.

#### GET RELEVANT EXPERIENCE

Look into summer jobs by talking to the dept. or Career Services about work through SWEP or Work-Study.

Take more responsibility within different clubs or extracurriculars. Think about applying to positions in student services in the Alma Mater Society.

#### GET CONNECTED WITH THE COMMUNITY

Get involved with the Departmental Student Council (DSC). Start or continue volunteering with organizations such as the Royal Canadian Geographical Society.

#### GET THINKING GLOBALLY

Is an exchange in your future? Start thinking about where you would like to study abroad. Apply in January for a third year exchange through the International Programs Office.

#### GET READY FOR LIFE AFTER GRADUATION

Explore different careers of interest by reading books in the Career Services Information Area, such as Career Opportunities in Conservation and the Environment. For more information check out Career Cruising or by finding and connecting with alumni on LinkedIn.

### 3RD YEAR

**GET THE COURSES YOU NEED**

A chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Geography. Meet with an Academic Advisor to make sure you are on track and have planned out your courses for next year — for some ideas, see the back page.

#### GET RELEVANT EXPERIENCE

Contact faculty members during their office hours or through the geography website to inquire about summer assistant positions.

If interested, apply for an Undergraduate Student Summer Research Fellowship (USSRF). Consider applying to do a 12-16 month QUIP internship between your third and fourth year.

#### GET CONNECTED WITH THE COMMUNITY

Do targeted networking with alumni working in careers of interest by joining the LinkedIn group Queen’s Connects. Connect with professors at events or workshops hosted by the DSC. Volunteer at a conference or workshop (e.g. the Canadian Association of Geographers Annual General Meeting).

#### GET THINKING GLOBALLY

Build your intercultural competence by getting involved with other cultures or by practicing or improving your language skills, perhaps through the French for Professionals certificate.

#### GET READY FOR LIFE AFTER GRADUATION

Start focusing on areas of interest. Research education requirements for careers of interest. If needed, prepare to take any required tests (like the LSAT or GMAT) and get help thinking about Grad School from Career Services.

### 4TH OR FINAL YEAR

**GET THE COURSES YOU NEED**

In fourth year you will have the chance to participate in research-based courses that can lead to Graduate School or to your future career path. Make sure to finish up all your courses for your major and your optional minor and/or certificate(s).

#### GET RELEVANT EXPERIENCE

Investigate requirements for full-time jobs or other opportunities related to careers of interest.

Assess what experience you’re lacking and fill in gaps with volunteering, clubs, or internships — check out the Career Services skills workshop for help.

#### GET CONNECTED WITH THE COMMUNITY

Consider joining professional associations like Canadian Association of Geographers, the National Center for Geographic Information and Analysis and the Canadian Remote Sensing Society.

Join groups on LinkedIn reflecting specific careers or topics of interest in Geography.

#### GET THINKING GLOBALLY

International students interested in staying in Canada can speak with an International Student Advisor.

#### GET READY FOR LIFE AFTER GRADUATION

Apply to jobs or future education, or make plans for other adventures. Get help from Career Services with job searching, resumes, interviews, Grad School applications, or other decisions.

Apply in the fall for SSHRC and OGS scholarships if applying to grad school in Ontario.

### MAJOR MAP

#### 1ST YEAR

- **GET THE COURSES YOU NEED**
  - In first year you will have the chance to explore the foundations of Geography in biology, chemistry, geography and geology along with some electives.
  - See the back page for specific courses to consider.
  - Attend Majors Night in the Winter term to learn more about Plan options.

#### 2ND YEAR

- **GET THE COURSES YOU NEED**
  - Start going deeper into the discipline of Geography, while considering a minor and/or certificate such as Geographic Information Science. Attend Degree+ in the Fall term to learn more about Certificates and Internship options.
  - Want to make sure your academics are where you want them to be? Visit SASS (Student Academic Support Services) and the Writing Centre for some help.

#### 3RD YEAR

- **GET THE COURSES YOU NEED**
  - A chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Geography. Meet with an Academic Advisor to make sure you are on track and have planned out your courses for next year — for some ideas, see the back page.

#### 4TH OR FINAL YEAR

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  - In fourth year you will have the chance to participate in research-based courses that can lead to Graduate School or to your future career path. Make sure to finish up all your courses for your major and your optional minor and/or certificate(s).
  - Investigate requirements for full-time jobs or other opportunities related to careers of interest.
  - Assess what experience you’re lacking and fill in gaps with volunteering, clubs, or internships — check out the Career Services skills workshop for help.

### What will I learn?

A degree in Geography can equip you with valuable and versatile skills, such as:

- Understanding of the interrelationships between people, places and environments
- Knowledge of social, cultural, economic and political factors affecting societies and environments; physical and biophysical aspects of the earth’s environments; and the earth system
- Oral and written communication to write reports and give presentations
- Field research skills to conduct field studies by installing sensors and data loggers to measure and monitor physical processes
- Laboratory research skills to collect snow, water, soil and vegetation samples for biogeochemical analysis in the laboratory
- Analytical skills to analyze spatial information and data using computer technologies such as Geographic Information Systems (e.g. ESRI ArcGIS), Remote Sensing and Image Processing, and statistical methods

### Where can I go?

A degree in Geography can take your career in many directions. Many students choose to continue their academic inquiry with a Master’s. Our students are equipped with a strong foundation for careers in:

- **Climatology**
- **Demography**
- **Farming**
- **GIS specialist**
- **Heritage conservation**
- **Irrigation services**
- **Landscape architecture**
- **Mapping and surveying**
- **Oceanography**
- **Urban and regional planning**

Taking time to explore career options, build experience and network can help you have a smooth transition to the world of work after graduation.