

REQUIREMENTS FOR AN HONOURS BSc IN GEOGRAPHY

ADMISSION REQUIREMENT

Entry into the program after completing a minimum of 30 credit hours.
Entry, continuing and graduation minimum GPA is 3.0 (B) in Honours Subject courses and 2.75 GPA in Non-Honours Subject courses.
The minimum 3.0 GPA (B) will be based on all attempts (including course repeats and failures) in Honours Subject courses.
The minimum 2.75 GPA in all Non-Honours Subject courses will be calculated as for the general degree (i.e., Fs are not included, and in the case of repeated courses, only the highest grade will be used).

GRADUATION REQUIREMENT Minimum 120 credit hours

RESIDENCE REQUIREMENT
Degree: Minimum 60 credit hours

GENERAL DEGREE REQUIREMENT

Humanities: 12 credit hours in Humanities
Science: 6 credit hours in Science
Writing: Minimum 3 credit hours of Academic Writing.
Maximum Introductory Courses: Students may use a maximum of 42 credit hours at the 1000-level. Of these, maximum of 6 credit hours may be below the 1000-level.
Distribution: Minimum 3 credit hours from each of 5 different subjects.

HONOURS REQUIREMENT

Single Honours: Minimum 63 credit hours / Maximum 78 credit hours.
Minimum 30 credit hours in upper level (3000 and 4000) Honours subject courses of which a minimum of 15 credit hours must be at the 4000-level (including Thesis).
Double Honours: Students must satisfy the requirements for both the Honours BSc in Geography and the requirements for the Honours BSc in the second Honours department in consultation with the Geography Department Chair.

Required Courses:

Common Geography Requirement (12 credit hours)

- GEOG-1102(3)** Introductory Human Geography I: People, Culture and Environment
- GEOG-1103(3)** Introductory Human Geography II: Population, Place and Development
- GEOG-1201(3)** Introductory Atmospheric Science
- GEOG-1202(3)** Introductory Earth Science

Physical/Technique Requirement (45 credit hours)

- GEOG-2304(3)** Computer Mapping
- GEOG-2309(3)** Statistical Techniques in Environmental Analysis
- GEOG-2316(3)** Remote Sensing
- GEOG-3302(3)** Principles of Geographic Information Systems

12 credit hours from among:

- GEOG-2207(3)** Climatology
- GEOG-2210(3)** Meteorology
- GEOG-2213(3)** Introductory Soil Science
- GEOG-2214(3)** Soil-Vegetation Systems
- GEOG-2215(3)** Mineralogy and Petrology
- GEOG-2216(3)** Physical Geology
- GEOG-2218(3)** Fluvial and Hillslope Processes
- GEOG-2219(3)** Glacial and Periglacial Processes

Minimum of 21 additional credit hours in upper level (3000 and 4000) from Physical or Technique groups (excluding Thesis) with at least 9 hours at the 4000-level (excluding Thesis).

Thesis Requirement (6 credit hours)

- GEOG-4901(6)** Honours Geography Thesis – 6 credit hours with a prerequisite of **GEOG-2309(3)** Statistical Techniques in Environmental Analysis, 36 credit hours completed in Geography, and a Geography GPA of 3.0.

External Science Requirement (24 credit hours)

Minimum of 24 credit hours selected from at least two (2) of the Departments of Biology, Applied Computer Science, Chemistry, Mathematics, Physics, and Statistics of which 12 credit hours must be at or above the 2000 level.

The following courses do not qualify:

- | | |
|---|--|
| ACS-1543(3) Introduction to Computers | MATH-0005(3) Introductory Mathematics |
| ACS-1543(3) Introduction to Computer-based Systems | MATH-2901(3) History of Calculus |
| BIOL-1102(3) Biology and Human Concerns | MULT-1005(3) Concepts in Science |

BIOL-1103(3) Human Biology
BIOL-1106(3) Environmental Biology
CHEM-2801(3) Chemistry and Society
MATH-0001(3) Basic Mathematics

PHYS-1501(3) Modern Technology
PHYS-1701(3) Astronomy
PHYS-2705(3) Cosmology: Science Fact to Science Fiction

Grade Point Requirement:

GPA of 2.75 in non-Geography courses and 3.0 on all attempts in Geography courses (exit requirement).

Suggested Patterns:

Year 1: **GEOG-1102(3)** Introductory Human Geography I; **GEOG-1103(3)** Introductory Human Geography II; **GEOG-1201(3)** Introductory Atmospheric Science; **GEOG-1203(3)** Introductory Earth Science

Year 2: 12-18 credit hours in Geography. Recommended **GEOG-2309(3)** Statistical Techniques in Environmental Analysis and **GEOG-2304(3)** Computer Mapping
Prerequisite course(s) for planned Honours courses

Year 3: 3-6 credit hours at the 4000-level in Geography

Year 4: 9-12 credit hours at the 4000-level in Geography, including the Thesis.

4000 level courses from other Departments may be credited toward the Geography Honours Major with ADVANCED WRITTEN APPROVAL from the Department Chair.

Students must consult with the Department Chair to determine whether they fulfil the general regulations for the Honours program.

Students must complete the Honours application from before EACH registration in a 4000-level course.

Students planning to complete a Double Honours degree in Geography must consult with the Department Chair for further details.