

Bachelor of Science (Honours)-Single Major

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section of the Calendar for further information.

Program Requirements

Notes:

- ❖ *Students must complete GEOG 1016 and GEOG 1017 with a minimum grade of 60% in each.*
- ❖ *Students may take 4th year courses in 3rd year with permission of the instructor.*
- ❖ *Students must be entering 4th year with a minimum 70% overall average to enroll in GEOG 4986 or GEOG 4995. Students may not retain credit for both GEOG 4986 and GEOG 4995.*

Students must complete 120 credits as follows:

All of the following: 24 cr.

GEOG 1016 - Introduction to Human Geography
GEOG 1017 - Introduction to Physical Geography
GEOG 2017 - Introduction to Geomatics
GEOG 2026 - Introduction to Quantitative Methods
GEOG 2106 - Geomorphology
GEOG 2107 – Climatology
GEOG 2126 - Physical Hydrology
GEOG 3086 - Principles of Biogeography

Three credits from the following: 3 cr.

GEOG 2136 Cultural Geography
GEOG 2137 Social Geography
GEOG 2226 Environment and Society

GEOG 3000 level 15 cr.

GEOG 4000 level 18 cr.

Other Science Requirements

GEOL 1006 The Earth's Interior **OR**
GEOL 1007 Surficial Geology 3 cr.

Three credits MATH from the following list: 3 cr.
MATH 1036 Calculus I
MATH 1046 Introductory Linear Algebra
MATH 1056 Discrete Mathematics I

15 additional science credits from following list (not already used to satisfy above): 15 cr.

BIOL 1007 Introduction to Organismal and Evolutionary Biology
CHEM 1006 General Chemistry I
CHEM 1007 General Chemistry II
COSC 1557 Introduction to Computer Science

COSC 1567 Programming in C++
COSC 1666 Engineering Graphics
COSC 1757 Digital Systems
GEOL 1006 The Earth's Interior
GEOL 1007 Surficial Geology
PHYS 1006 General Physics I: Mechanics
PHYS 1007 General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics
MATH 1036 Calculus I
MATH 1046 Introductory Linear Algebra
MATH 1056 Discrete Mathematics I

Other Program Requirements:

Humanities	6 cr.
Electives	33cr.