

# GEOGRAPHY - PHYSICAL GEOGRAPHY MAJOR CONCENTRATION (B.A. & SC.) (36 CREDITS)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Bachelor of Arts and Science  
**Program credit weight:** 36

## Program Description

The Major Concentration Geography - Physical Geography, which is restricted to students in the B.A. & Sc., is a planned sequence of courses designed to permit a degree of specialization in this discipline.

### Degree Requirements — B.A. & Sc. students

*This program is offered as part of a Bachelor of Arts & Science (B.A. & Sc.) degree.*

To graduate, students must satisfy both their program requirements and their degree requirements.

- The program requirements (i.e., the specific courses that make up this program) are listed under the Course Tab (above).
- The degree requirements—including the mandatory Foundation program, appropriate degree structure, and any additional components—are outlined on the Degree Requirements page.

Students are responsible for ensuring that this program fits within the overall structure of their degree and that all degree requirements are met. Consult the Degree Planning Guide on the SOUSA website for additional guidance.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Required Courses (12 credits)

Expand allContract all

Course	Title	Credits
GEOG 201	Introductory Geo-Information Science.	3
GEOG 202	Statistics and Spatial Analysis.	3
GEOG 203	Environmental Systems.	3
GEOG 272	Earth's Changing Surface.	3

## Complementary Courses (24 credits)

Courses are selected as follows:

6 credits of analytical techniques are selected from:

Expand allContract all

Course	Title	Credits
GEOG 308	Remote Sensing for Earth Observation.	3
GEOG 314	Geospatial Analysis.	3
GEOG 351	Quantitative Methods.	3
GEOG 414	Advanced Geospatial Analysis.	3

3 credits of field courses selected from:

Expand allContract all

Course	Title	Credits
GEOG 495	Field Studies - Physical Geography.	3
GEOG 496	Geographical Excursion.	3
GEOG 499	Subarctic Field Studies.	3

9-15 credits in systematic physical geography selected from:

Expand allContract all

Course	Title	Credits
GEOG 305	Soils and Environment.	3
GEOG 321	Climatic Environments.	3
GEOG 322	Environmental Hydrology.	3
GEOG 372	Running Water Environments.	3
GEOG 470	Wetlands.	3

0-6 credits in integrative and advanced topics selected from:

Expand allContract all

Course	Title	Credits
GEOG 302	Environmental Management 1.	3
GEOG 401	Socio-Environmental Systems: Theory and Simulation.	3
GEOG 505	Global Biogeochemistry.	3
GEOG 506	Advanced Geographic Information Science.	3
GEOG 536	Geocryology.	3
GEOG 537	Advanced Fluvial Geomorphology.	3
GEOG 550	Historical Ecology Techniques.	3
GEOG 555	Ecological Restoration.	3