

B.Sc. - Liberal Program: Core Science Component in Geography (49 credits)

Required Courses

The following 8 courses (22 credits) are required. Substitutions to this list may only be made on a case-by-case basis by prior approval of the Geography Undergraduate Advisor.

Course Number and Description	Cr	Semester taken or proposed	Completed
GEOG 201 Introductory Geo-Information Science	3	_____	_____
GEOG 203 Environmental Systems	3	_____	_____
GEOG 216 Geography of the World Economy	3	_____	_____
GEOG 217 Cities in the Modern World	3	_____	_____
GEOG 272 Earth's Changing Surface	3	_____	_____
GEOG 290 Local Geographical Excursion	1	_____	_____
GEOG 302 Environmental Management 1	3	_____	_____
GEOG 351 Quantitative Methods	3	_____	_____

Complementary Courses (27 credits)

Choose 1 course (3 credits) from the following statistics courses.*

Course Number and Description	Cr	Semester taken or proposed	Completed
BIOL 373 Biometry	3	_____	_____
GEOG 202 Statistics and Spatial Analysis	3	_____	_____
MATH 203 Principles of Statistics 1	3	_____	_____
PSYC 204 Introduction to Psychological Statistics	3	_____	_____
SOCI 350 Statistics in Social Research	3	_____	_____

* Credit given for statistics courses is subject to certain restrictions. Consult the "Course Overlap" information in the "Course Requirements" section for the Faculty of Science.

Choose 1 course (3 credits) from the following GIS/Remote Sensing courses.

Course Number and Description	Cr	Semester taken or proposed	Completed
GEOG 306 Raster Geo-Information Science	3	_____	_____
GEOG 307 Socioeconomic Applications of GIS	3	_____	_____
GEOG 308 Principles of Remote Sensing	3	_____	_____

Choose 4 courses (12 credits) from the following systematic physical geography courses.

Course Number and Description	Cr	Semester taken or proposed	Completed
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	_____	_____

Choose 1 course (3 credits) from the following field courses (availability to be announced in February).

Course Number and Description	Cr	Semester taken or proposed	Completed
GEOG 495 Field Studies – Physical Geography	3	_____	_____
GEOG 496 Geographical Excursion	3	_____	_____
GEOG 497 Ecology of Coastal Waters	3	_____	_____
GEOG 499 Subarctic Field Studies	3	_____	_____

Choose two additional courses (6 credits) from the list of approved Geography courses below including at least one at the 400-level or above.

Course Number and Description	Cr	Semester taken or proposed	Completed
GEOG 404 Environmental Management 2	3	_____	_____
GEOG 501 Modelling Environmental Systems	3	_____	_____
GEOG 505 Global Biogeochemistry	3	_____	_____
GEOG 506 Advanced Geographic Information Science	3	_____	_____
GEOG 522 Advanced Environmental Hydrology	3	_____	_____
GEOG 523 Global Ecosystems and Climate	3	_____	_____
GEOG 535 Remote Sensing and Interpretation	3	_____	_____
GEOG 536 Geocryology	3	_____	_____
GEOG 537 Advanced Fluvial Geomorphology	3	_____	_____
GEOG 550 Historical Ecology Techniques	3	_____	_____
GEOG 555 Ecological Restoration	3	_____	_____