FACULTY OF SCIENCE

GEOGRAPHY

Geography is a discipline that integrates the natural and social sciences; it explains how human and environmental systems function and interact.

The University of Winnipeg Geography program is divided into four areas of study:

Physical Geography examines components of the natural environment including landforms, weather and climate, soils and vegetative systems, and their impacts on humans.

Human Geography focuses on variations in the “human landscape” around the world–its agricultural systems, cities, industries, cultural expressions, and the particular problems faced by different societies.

Regional Geography combines both the physical and human features within specific areas of the world and provides a comprehensive understanding of the area in question.

Geomatics courses develop skills in cartography, map reading, satellite image analysis, geographic information systems analysis, and the statistical analysis of spatial and non-spatial datasets.

This program can lead to **a Bachelor of Science Degree (3-year, 4-year, or**

SAMPLE COURSES

Physical Geography: Meteorology, Climatology, Introductory Soil Science, Natural Hazards

Human Geography: Population Geography, Urban Environment, Environment & Sustainability

Regional Geography: Human Geography of Northern Canada, Prairie Landscapes

Geomatics: Introduction to GIS, Introduction to Remote Sensing, Statistical Techniques in Geography

SAMPLE FIRST YEAR

For both Arts and Science Geography majors:
GEOG-1205(3) Science for a Dynamic World: An Introduction to Physical Geography
GEOG-1105(3) Challenges of a Changing World: An Introduction to Human Geography
GEOG-1305(3) Mapping in a Global World: An Introduction to Geomatics
RHET-1102(3) Academic Writing: Social Sciences or RHET-1103(3) Academic Writing: Science
or any other section of Academic Writing (if required)
6 credit hours Humanities
12-15 credit hours Electives, depending on interest.

NOTE: *This sample first year is representative of the courses you may take. For many of our programs, you may choose another set of courses and still be well on your way to a degree. Also, for most programs you do not have to take 30 credit hours (five full courses) in your first year.*

"Being a geography student allowed me to better understand how the world is organized and how it functions, with location being its key characteristic. I focused my studies on mapping theory and software that directly helps me in my current job where I manage spatial data."

Jami Cameron (BSc Geography)
Land Information Technologist, Manitoba Hydro

REQUIRED HIGH SCHOOL COURSES

You must meet The University of Winnipeg's general admission requirements. **For Science:** You must also have either **Pre-Calculus Mathematics 40S** or **Applied Mathematics 40S**. Chemistry 40S, Physics 40S, and /or Pre-Calculus Mathematics 40S may also be required, depending on your course choices.

HOW TO APPLY

For details on application requirements and deadlines, and to apply online, please visit: **uwinnipeg.ca/apply**

For more information contact a student recruitment officer at welcome@uwinnipeg.ca or 204.786.9844. In any case where the University's Academic Calendar and this fact sheet differ, the current Calendar takes precedence.

CONTACT US

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