# Clayton H. Riddell Faculty of Environment, Earth, and Resources

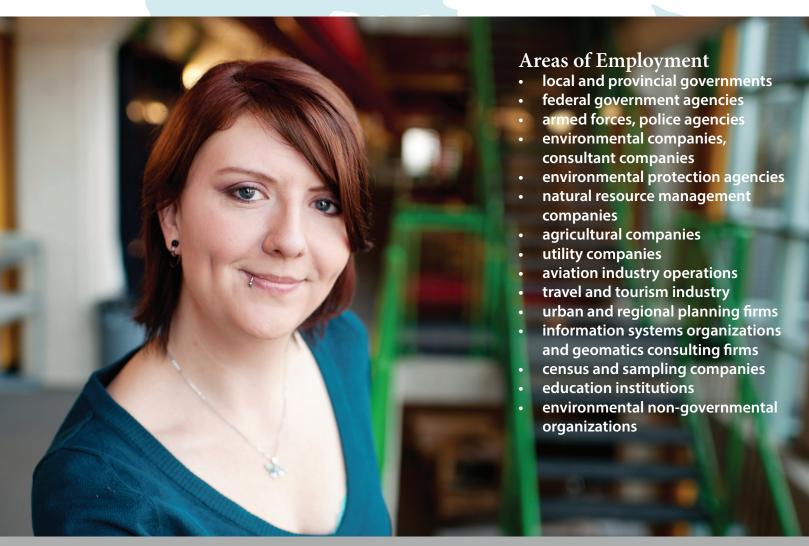


# Physical Geography

## Facts about a Physical Geography Degree:

Physical Geography includes the study of the Earth's physical environments through aspects of:

- Atmospheric science: studies the physical and biophysical processes that affect climate and determine weather
- Geomorphology: studies the physical processes that create the features on the Earth's surface
- **Biogeography**: studies the spatial distribution of plants and animals and the processes that control this distribution
- Hydrology: studies the movement of water between the atmosphere and Earth's surface, including quality and quantity
- **Geomatics**: studies the geographic applications of statistical analysis, remote sensing technology and geographic information systems



# What Can I Do with a Physical Geography Degree?

## Sample Job Titles

- Environmental consultant/advisor
- Environmental project coordinator
- Environmental impact analyst
- Soil conservationist
- Water resources specialist
- Hydrologist/hydrographer
- Natural hazards consultant
- Cartographer, GIS technician
- Remote sensing technician
- Aerial photographer
- Commercial and residential surveyor
- Weather forecaster/meteorologist
- Atmospheric data technician

- Forensic meteorologist
- Urban planner
- Transport planner
- Regional development officer
- Tourism officer/outdoor guide
- Nature interpreter
- · Insurance claims adjuster
- Air traffic controller
- Primary or secondary teacher
- Science writer

## Skills Possessed by Physical Geography Graduates

Many employers are interested in the skills that geography majors tend to possess. These include:

- understanding the natural and social processes that form Earth's environments, as well as changing interactions between environment and society;
- observational skills, analytical skills, interpretation of data, numerical analysis;
- computational and IT skills, such as use of databases and spreadsheets
- use of geographic concepts and skills, such as producing and interpreting maps, manipulating geographic data;
- fieldwork skills, such as data collection through surveys and physical sampling;
- verbal and written communication, project management;
- ability to work as part of a team, as well as independently

#### Resources

**University of Manitoba Career Services** - Check our website at: www.umanitoba.ca/student/careerservices Click on "*Career Connect*" and register as a Student to view current job postings

#### University of Manitoba | Exploring Occupations

https://umanitoba.ca/career-services/career-planning/explore-occupations

#### University of Manitoba | Physical Geography Program

https://umanitoba.ca/explore/programs-of-study/physical-geography-bsc

**Environmental Careers Organization Canada** | www.eco.ca

Environment Canada I www.ec.gc.ca

Canadian Meteorological & Oceanographic Society I www.cmos.ca

The Canadian Cartographic Association | www.cca-acc.org

Career Jet I www.careerjet.ca/geography-degree-jobs.html

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