

# Geography: MA, MSc, PhD

Graduate programs in Geography emphasize human-environment geography, environmental geography, environmental geoscience, and geomatics. Graduate programs in the Department of Geography, Environment and Geomatics reflect our expertise in: environmental governance and conservation social science; biophysical systems and processes, and geomatics; and socioeconomic spaces and change. Within these areas, faculty and graduate students work together on research projects throughout Canada and the United States with some research in Southeast Asia, Africa, Oceania, and Latin America.

[geg.uoguelph.ca/graduate-programs](http://geg.uoguelph.ca/graduate-programs)

## PROGRAM

Our MA and MSc programs are completed through course work and research (either project or thesis), and span five semesters of full-time study. Our PhD program is completed over twelve semesters of full-time study.

Geography students (MA/MSc/PhD) can also participate in a Collaborative Specialization in International Development Studies or One Health.

## ADMISSION REQUIREMENTS

Master's applicants must have a minimum 75% average during the final two years of undergraduate study. PhD applicants must have a minimum 80% (A-) average in their graduate-level studies.

## FUNDING

All full-time graduate students in Geography are offered guaranteed funding. Comprehensive financial support for field work and research expenses, including travel, is also made available over and above traditional funding and scholarships.

### Application Deadline:

[See website for date.](#)



A Geography MSc student conducting field research in British Columbia

## WHAT SETS US APART?

- Guaranteed funding
- Comprehensive support for field work and research expenses
- Outstanding faculty dedicated to a collaborative model of graduate studies
- Research-intensive department in one of Canada's top comprehensive universities
- Spacious campus with modern amenities located in a vibrant community

## FACULTY EXPERTISE

- Agri-environmental management
- Biogeography and ethnobotany
- Community planning and sustainability
- Conservation social science
- Environmental governance
- Food systems, food security, and food waste
- Geomorphology
- Geographic information systems and remote sensing
- Hydrology
- Political ecology
- Technology and the environment

## ARE YOU INTERESTED IN:

- Environmental governance and conservation social science
- Food security and food waste
- Geographic information systems and remote sensing
- Geomorphology
- Climate change and ecosystems

## CAREER OPPORTUNITIES:

- Planner, natural resource manager, or conservation practitioner
- Environmental/social policy analyst
- GIS specialist
- Forestry, mining, or waste management consultant

## CONTACT INFORMATION

Graduate Program Assistant  
Heidi Spaulding  
[csahs.admissions@uoguelph.ca](mailto:csahs.admissions@uoguelph.ca)

## DEPARTMENTAL GRADUATE FACULTY WITH RESEARCH AREAS

**Aaron Berg:**

Hydrology and remote sensing with applications to agriculture; land-atmosphere interactions; hydro-climatology

**Karina Benessaiah**

Her research interests include: Human-environment geography; sustainability transformations; urban-rural linkages; counterurbanisation; vulnerability; social-ecological crises; ecosystem services; inequality; agency; human dimensions of global change.

**Ben Bradshaw:**

Environmental Governance, especially novel governance in Canada's mining sector; Indigenous communities, energy transitions, and carbon management; agri-environmental stewardship in highly productive landscapes

**Jaclyn Cockburn:**

Geomorphology; sedimentary processes; climate change; hydrology; physical limnology; natural hazards

**Ben DeVries:**

Remote sensing, sensor fusion, land cover change, time series analysis, ecosystem dynamics

**Sara Edge**

Sustainable and Equitable Food Systems, Community agri-food innovation; Environmental Justice, Health Geography, Immigrant Health & Wellbeing.

**Evan Fraser:**

Food security under economic globalization and climate change; land use change; integrated socio-economic / crop / climate modelling; farmer behaviour

**Ze'ev Gedalof:**

Physical geography; paleoecology; biogeography; dendrochronology

**Noella Gray:**

Political ecology; marine resource management and conservation; global conservation governance; Science and Technology Studies (STS)

**Roberta Hawkins:**

Ethical consumption; feminist geography; critical development studies; media and environment; politics of philanthropy; political ecology

**Diana Lewis:**

Indigenous health, environment, risk assessment, environmental impact assessment, Indigenous methodology

**John Lindsay:**

GIS; remote sensing; spatial analysis; digital terrain analysis; LiDAR; hydrology; rivers; pollution; software development

**Faisal Moola:**

Forest conservation and management; ecology and ethnoecology of plants; environmental policy; Indigenous-led conservation

**Eric Nost:**

Political ecology; digital governance; environmental planning, markets, and justice; webmapping; agro-food systems; wetlands

**Kate Parizeau:**

Waste and waste management policy; urban inequality and urban political ecology; feminist geographies

**Robin Roth:**

Political ecology; conservation policy and practice; forest governance; Indigenous-led conservation; North America and Southeast Asia



Dr. Abdul-Rahim Abdulai, PhD Geography (2022)

Abdul-Rahim research examined socio-technical transitions in food systems in Canada and Ghana. Abdul-Rahim's work will help ensure farmers and rural communities benefit from new agricultural technologies.

**Jennifer Silver:**

Fisheries, aquaculture, and coastal communities; international ocean governance; Indigenous fishing rights; media and technology in environmental governance

**Wanhong Yang:**

GIS and spatial analysis; agri-environmental management; integrated economic-hydrologic modelling of agricultural conservation practices