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.

uoguelph.ca/geography

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 can also participate in the master’s/doctoral International Development Studies Collaborative Specialization.

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

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.

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 Coordinator:
Dr. Aaron Berg
519-824-4120 ext 58514
aberg@uoguelph.ca

Graduate Program Assistant
Nance Grieve
519-824-4120 ext 56721
geograd@uoguelph.ca
Departmental Graduate Faculty with Research Areas

Aaron Berg:
Hydrology and remote sensing with applications to agriculture; land-atmosphere interactions; hydro-climatolgy

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

Kirby Calvert:
Human-environment geographies; energy transitions; renewable energy development and community energy planning; applied GIS

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

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

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

Philip Loring:
Food security and sovereignty; community sustainability; environmental change

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

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

John Smithers:
Alternative and local food systems; short supply value chains and farm viability; rural landscapes of commodification and consumption; agri-environmental management

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

CONTACT INFORMATION
Graduate Program Coordinator:
Dr. Aaron Berg
519-824-4120 ext 58514
aberg@uoguelph.ca

Graduate Program Assistant
Nance Grieve
519-824-4120 ext 56721
dggeograd@uoguelph.ca

Abdul-Rahim Abdulai, PhD. Geography
Abdul-Rahim is a student in the Geography PhD program. His research examines 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.