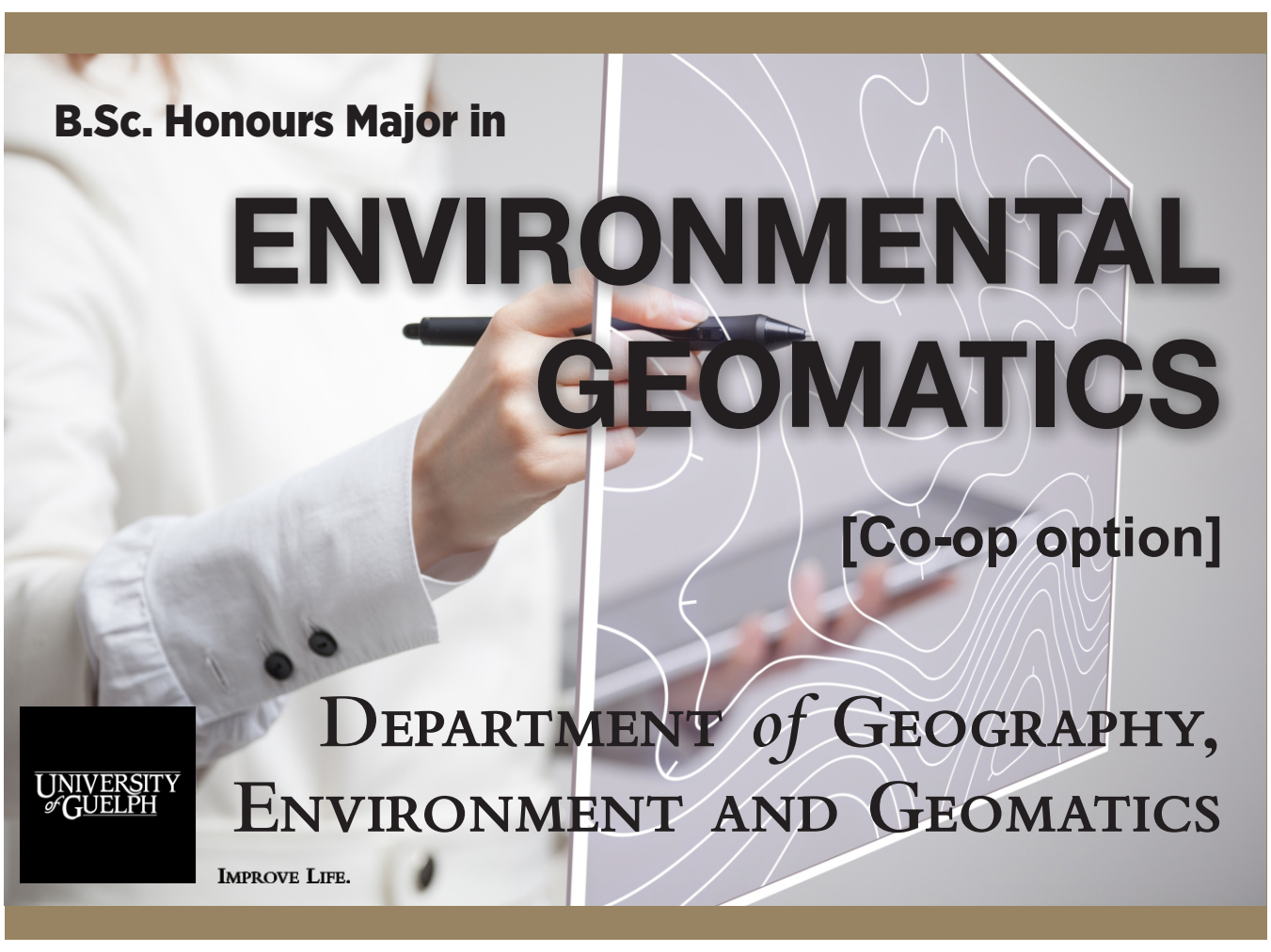
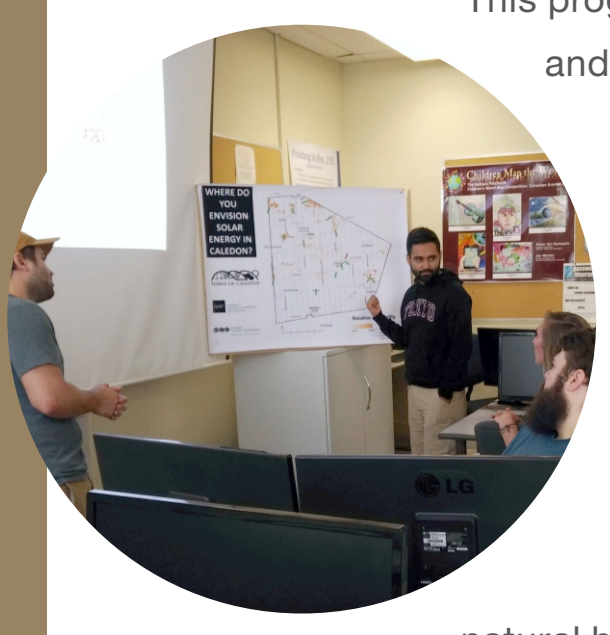


EXPLORE PROCESSES THAT SHAPE OUR NATURAL WORLD USING CUTTING EDGE TECHNOLOGY

Why our program?

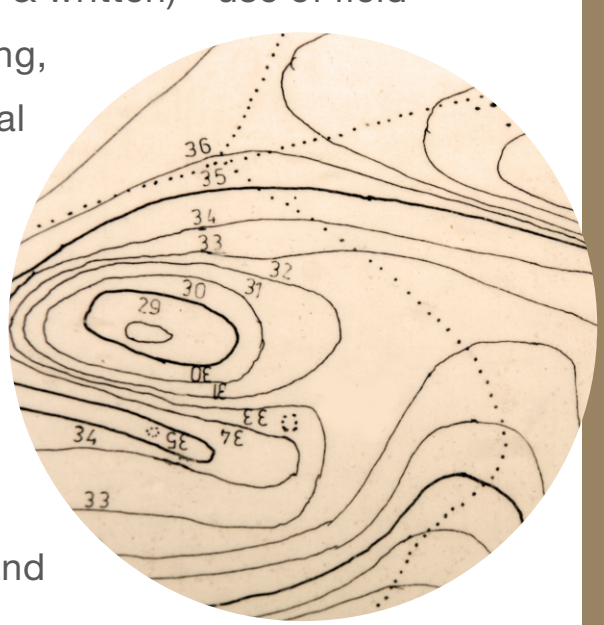


This program combines physical geography and field research with computer-aided spatial analysis (e.g., geographic information systems; aerial and satellite image analysis) to study the natural and human-induced forces that are shaping our planet.

You will learn to apply these techniques to address impacts of natural hazards on society as well as human impacts on environment.

What skills will you develop?

Science communication skills (oral & written) • use of field equipment (e.g., streamflow gauging, landscape surveying, environmental monitoring) • analysis of imagery from satellites, airplanes, and drones • spatial analysis of landforms and environmental change in geographic information systems in state-of-sciencesoftware • data sampling and assessment.



What are the benefits?

With this expertise, you will be equipped to assess and address the impacts of natural hazards (e.g., flood-plain mapping and emergency management); human impacts on environment (e.g., water pollution and watershed management); and challenges in natural systems due to climate change (e.g., mapping of invasive species). Graduates of this program can apply their expertise to a number of applications in agriculture, forestry, transportation, fisheries, mining, and often work as environmental consultants.

Co-op program available.

What are some career opportunities?

Graduates become leaders at local consulting firms, various government agencies, and non-government organizations. This includes work as geoscientists & geo-technicians, GIS analysts, land-use planners, environmental consultants, educators (including outdoor education), parks and recreation manager.

askGEG@uoguelph.ca

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