



**COLLEGE of ENGINEERING
AND PHYSICAL SCIENCES**

**MASc in Water Resources Engineering or Environmental Engineering
*School of Engineering, University of Guelph***

September 2021 start date

POSITION: Agricultural nitrogen loadings to hydrological systems: Assessing the impacts of climate change

ADVISORS: Professors Jana Levison, University of Guelph and Marie Larocque, Université du Québec à Montréal

START DATE: September 2021

DURATION: 2 years

STIPEND: available for 2 years

Project Description:

Rural watersheds in southern Ontario are experiencing water quantity and quality stress; this will be magnified by climate change. This project addresses climate change resiliency in Ontario's Agri-Food sector by assessing storm event driven N loadings from agriculture to stressed watersheds. This will be accomplished through a field-based study using a well-instrumented research site in southwestern Ontario (Lower Whitemans Creek). For the proposed research, N in soils, surface water and groundwater will be quantified at the site, for storm events and seasonal variations. The MASc student will gain valuable fieldwork and analysis skills relevant to employment in the water resources/environmental sectors.

Pre-Requisites:

Undergraduate degree in Water Resources Engineering, Environmental Engineering, Civil Engineering, Geological Engineering, Earth Sciences, Environmental Sciences, Geoscience, Geology or related discipline.

Please contact **Jana Levison** at jlevison@uoguelph.ca and **Marie Larocque** at larocque.marie@uqam.ca for more information or to apply for the position. To apply, please send a cover letter outlining your interest in this position as well as how your background makes you a suitable candidate, resume/CV, and a copy of your unofficial transcript.