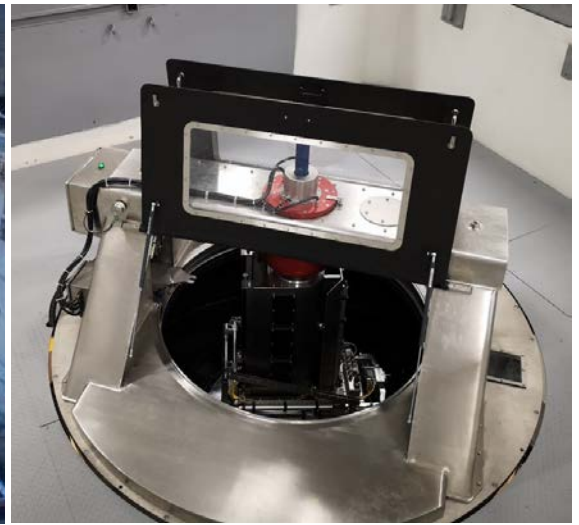


Master of Engineering: Geotechnical Engineering



What is a Master of Engineering Degree?

A Master of Engineering (MEng) degree is a professional coursework-based degree offered at Western University. A MEng degree can be completed in one year on a full-time basis; or in 20 months on a part-time basis for students who work full-time.

Why Pursue a Master of Engineering Degree?

- Complete a post-graduate degree in a minimum of one year on a full-time basis
- Learn practical engineering skills
- Stand out from other engineering graduates
- Advance your career
- Obtain Canadian credentials - a crucial entry-point for international students and newcomers to Canada seeking employment opportunities in engineering

Why Pursue a Geotechnical Master of Engineering Degree at Western?

Western University's Civil & Environmental Engineering program, **ranked #1 in Canada and #18 worldwide** by the Academic Ranking of World Universities (www.shanghairanking.com), is renowned for its excellence, nationally and internationally, due to its outstanding academic curricula, award-winning professors and state-of-the-art facilities.

Geotechnical engineering deals with the engineering behaviour of soil, rock, groundwater, and their impact on the design, construction, and operation of infrastructure. Geotechnical engineers analyze soil behaviour under the influence of stresses for the design of foundations, retaining walls, tunnels, and earth dams, and for the selection of railroad and highway routes. Geoenvironmental engineers develop and apply technologies for the clean-up and management of contaminated soil and groundwater. Students will learn advanced topics in subsurface contamination, site design and assessment, as well as geotechnical design. These courses are taught by leaders of the field from Western University and around the world.

Admission Requirements

- Minimum 70 percent average in a four-year honors degree or equivalent from an accredited university (average based on the last two years of the degree), as determined by the Department
- Work experience is not mandatory, but is considered an asset
- Two letters of reference (preferably academic)
- For international students: English language proficiency

Fees

*Please see the posted [Fee Schedule](#) for up-to-date fees.

*Please visit https://www.registrar.uwo.ca/student_finances/fees_refunds/who_pays_canadian_tuition_fees.html for residency requirements.

Course Offerings 2023-2024

	MEng Project	2023	Fall
CEE 9702	Geotechnical Earthquake Engineering	2023	Fall
CEE 9730	Data Science for Civil Engineers: Geotechnical Applications	2023	Fall
	MEng Project	2024	Winter
CEE 9577	Rock Mechanics	2024	Winter
CEE 9619	Dynamics of Soils and Foundations	2024	Winter
CEE 9870	Groundwater Flow and Contaminant Transport	2024	Winter
CEE 9880	Offshore Geotechnical Engineering Design	2024	Winter
	MEng Project	2024	Summer
CEE 9518	Building Information Modelling	2024	Summer
CEE 9523	Environmental Geotechnique	2024	Summer
CEE 9529	Foundation Engineering	2024	Summer

*course offerings are subject to change

Please visit <https://www.eng.uwo.ca/tc/graduate/Grad-courses.html> to learn more about the Professional Courses offered through the John M. Thompson Centre for Engineering Leadership and Innovation.

Please visit <https://www.eng.uwo.ca/tc/graduate/graduate-diploma.html> to learn more about the Engineering Leadership and Innovation Graduate Diploma (GDip).

For more information, please contact:

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