

Brock University

More than a decade of growth has made Brock one of Ontario's fastest-growing universities. With our student population at 18,000 and our campus bursting with physical expansion, Brock is large enough to have world-class facilities and faculty and to provide students with numerous ways to get involved and develop through academic, social and recreational activities. Nonetheless, it is small enough for students to be known by name.

The campus is located in a park-like setting atop the escarpment in Ontario's Niagara Peninsula and is part of a UNESCO biosphere reserve. In addition to being a tourist destination, Niagara provides numerous opportunities to learn about the history and culture of Canada. It's also a short drive to Toronto, Niagara Falls and Buffalo, N.Y.

Brock provides high-quality teaching and supervision and our programs are about personal and professional possibilities. Students are guided by dedicated faculty and supervisors and are given the tools they need to follow their own path and to contribute to the larger world in unique ways.

Interview information

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Program information

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General information

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brocku.ca/mathematics-science
brocku.ca/international-services/student-services
brocku.ca/esl-services
brocku.ca/graduate-studies

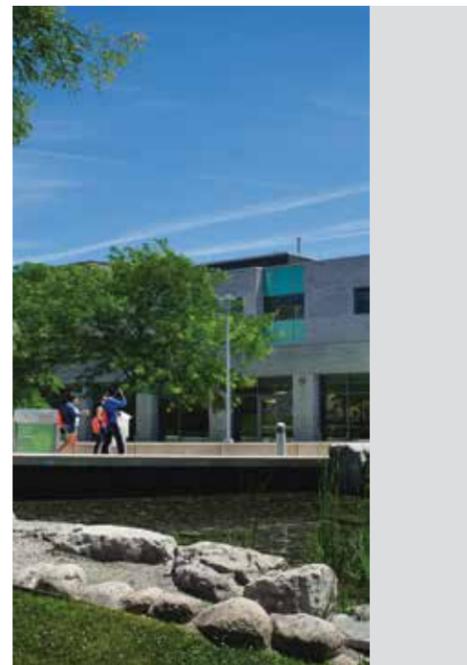
Brock University
Niagara Region
St. Catharines
Canada



Master of Science in
Mineral Exploration and Mining Geology



Mineral Exploration and Mining Geology is a growing field and is quickly becoming recognized as an important sub-discipline in geoscience. It has very significant applications and societal impact. Findings from this field have important implications for several other fields, such as engineering, stock analysis, investment banking and conservation.



Economic geologists study the commercial and industrial use of mineral resources (e.g. precious and non-precious base metals, non-metallic minerals, construction grade stone, coal and water).

Program details

Drawing upon techniques used in geochemistry, geophysics, structural geology, mineralogy and petrology to understand how ore deposits are formed, can be mined, extracted and utilized, this program will provide you with the necessary skills in order to compete globally for jobs in the minerals industry.

You will study and live in Canada for approximately 14 months. Following ESL studies, you will complete prescribed MSc courses over three academic terms. The proposed first intake is 2013 with ESL classes beginning in July and MSc courses beginning in September.

Admission requirements

- Successful completion of an undergraduate degree in Geology/Earth Sciences or a closely related discipline with a minimum 75 per cent overall average from an accredited institution.
- Proof of English Language Proficiency: Applicants who have not completed three or more years of post-secondary study at a Canadian institution or at an institution where English was the primary language of instruction will be required to provide proof of English language proficiency through one of the accepted program/examinations outlined on the Faculty of Graduate Studies website experience.brocku.ca/Graduate_Study/EnglishLanguageProficiency.ezc
- Applicants must be interviewed prior to submitting their formal application package.

English as a Second Language (ESL) requirement

All students accepted into the program are required to complete an ESL program, starting in July immediately prior to the MSc program. In addition to the ESL training, the program gives new students a period of acclimatization in Canada, and on campus.

Core courses include

- Ore Deposits Geology
- Exploration Geochemistry
- Mining Geology

- Advanced Structural Geology
- Exploration Geophysics
- Scientific Reporting

Career paths

Earning an MSc in Mineral Exploration and Mining Geology prepares you for a variety of careers with:

- Mining companies
- Consulting companies
- Government (regulator and research)

Brock's Earth Sciences Department

The department, founded in 1968, provides students with a comprehensive training in Earth Sciences and prepares them for careers as geoscientists. In response to industry demand for geology graduates, the department has seen a significant increase in enrolment in recent years. Faculty members have a wide variety of research and teaching interests. The department offers a traditional undergraduate geology program and a program in environmental geoscience. At the graduate level, the department continues to expand its programs.

Fees

MSc tuition: \$28,000

MSc ancillary: \$1,500*

ESL fees: \$4,300

Total fees: \$33,800

Living expenses and books are extra.

We recommend that you budget about \$10,000 to \$15,000 per year depending on your lifestyle.

*based on 2011-12 fees

Prospective students are advised that offers of admission to this program may be made only after the University's own quality assurance processes have been completed and the Ontario Universities Council on Quality Assurance has approved the program.