

# **Memorial University of Newfoundland**

## *M.Sc. Opportunities - Mineral Deposits Geochemistry & Applied Mineralogy*

New opportunities for thesis based M.Sc. studies in the Dept. of Earth Sciences are available, with enrollment for the 2023-24 academic year.

Successful applicants will join a team of students and collaborating faculty engaged in integrated field and analytical studies of hydrothermal ore deposits, their broader paleoenvironment, and regional metallogeny (with a current emphasis on the late Neoproterozoic terranes of Atlantic Canada), as well as development of advanced and automated instrumental analysis for metal deportment studies (with a current emphasis on the geometallurgy of high priority critical metals). The proposed projects will involve active use of the advanced analytical instrumentation available within the CREAT Microanalysis Facility (MAF) and CREAT Earth Resources and Analysis Facility (TERRA) (<https://www.mun.ca/creait/>) - including SIMS, LA-ICP-MS, SEM-EDX-MLA and EPMA.

Prospective students with a strong background in mineralogy, geochemistry, sedimentology and economic geology are particularly encouraged to apply. Previous experience with one or more techniques for instrumental microanalysis would be an asset, especially for candidates interested in M.Sc. projects concentrating on Applied Mineralogy.

St. John's is a vibrant coastal city (<http://www.stjohns.ca/living-st-johns/newcomers>), and capital of Canada's easternmost Province (<http://www.newfoundlandlabrador.com/>). Memorial University itself ([www.mun.ca](http://www.mun.ca)) is the largest university in Atlantic Canada, with over 18,000 students. Graduate students will join a large interdisciplinary Earth Sciences department ([www.mun.ca/earthsciences](http://www.mun.ca/earthsciences)), with a wide spectrum of modern research facilities.

Visit the Memorial University School of Graduate Studies site at:

<http://www.mun.ca/become/graduate/>

Detailed admissions procedures may be viewed at:

<http://www.mun.ca/become/graduate/apply/>

Electronic applications are strongly encouraged by March 1, 2023 - although later applications from qualified applicants will also be considered. Initial expressions of interest should be directed to:

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