

*“Brandon University
has allowed me to pursue
my interests, excel in
my career, satisfy my
intellectual curiosity and
make an impression in
my profession.”*

Mark Hamilton
MELS Student

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MASTER OF SCIENCE
(ENVIRONMENTAL & LIFE SCIENCES)

270 18th Street, Brandon MB, R7A 6A9
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The journey
to your
success
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MASTER OF SCIENCE
(ENVIRONMENTAL & LIFE SCIENCES)



MASTER OF SCIENCE (ENVIRONMENTAL & LIFE SCIENCES)

Are you concerned about the environment, emerging diseases, natural resources and wildlife, or curious about the history and chemistry of life, or how the earth functions? The M.Sc. (Environmental & Life Sciences) or 'MELS' is a 2-year thesis-based interdisciplinary graduate program with courses drawn from multiple departments. MELS students complete a major research project working with world-class professors, spanning research areas at scales from the molecular to planet-wide. MELS students will gain skills and experience in:

- ▶ *Research methodology*
- ▶ *Scientific problem solving*
- ▶ *Project planning*
- ▶ *Scientific reporting*
- ▶ *Data interpretation and analysis*

The thesis project is the heart of the MELS student experience, and can include anything from laboratory-based life and chemical science projects, to field-based environmental and earth science research in northern Manitoba and elsewhere in Canada. We offer exciting research training opportunities with small class sizes and well equipped research facilities guaranteeing an enriching individual experience.

Research Opportunities

Biology

- ▶ *Parasitic Disease*
- ▶ *Paleoecology, Paleobotany*
- ▶ *Conservation and Agriculture*
- ▶ *Amphibian and Reptile Conservation*
- ▶ *Fungal Biology*

Chemistry

- ▶ *Natural Product Synthesis*
- ▶ *Molecule-Based Magnetic Materials*
- ▶ *Nuclear Magnetic Resonance (NMR)*
- ▶ *Liquid Crystals*



Geography

- ▶ *Glacier History*
- ▶ *Wildlife Management and Biogeography, Wildlife Ecotourism, Protected Areas*
- ▶ *Unmanned Aerial Vehicles, GIS and Remote Sensing*
- ▶ *Wetland Hydrology*

Geology

- ▶ *Paleontology, Paleoecology, Paleobiogeography*
- ▶ *Mineral Resources and Applied Exploration*



Scholarships

Brandon University Manitoba Graduate Scholarships (BU-MGS)

- ▶ *Up to five (5) \$15,000 are awarded annually*
- ▶ *Deadline to apply: March 1st annually*

For more visit :

BrandonU.ca/research/scholarships-awards

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Deadline ▶
January 31st Annually