

## MSc Position in Real-Time In-Situ Soil Monitoring for Agriculture

We are seeking a highly motivated Master of Science candidate to join a collaborative research project between Brandon University (BU) and Agriculture and Agri-Food Canada (AAFC), starting in September 2026. The successful applicant will enrol in the [Master of Science \(Environmental and Life Sciences\)](#) (MELS) program at BU in full time studies by September 1, 2026. The student will work on a project focused on using the [Real-Time In-Situ Soil Monitoring for Agriculture](#) (RISMA) network data. The successful candidate will help develop a research project that links the soil moisture network data to crop yield, agronomy, soil erosion, and/or other agri-environmental processes. Fieldwork will be conducted in Manitoba, with additional laboratory work required. This opportunity is ideal for candidates interested in agriculture, environmental monitoring, and data-driven approaches to agriculture.

**Remuneration:** \$25.17 to \$31.69/hr

- [Research Affiliate Program](#) with AAFC
- ~20 hr/week while classes are in session, with a transition to 37.5 hr/week during the summer period

### **Qualifications/Experience:**

The ideal candidate will have experience in:

- Field collection of environmental samples
- Laboratory preparation and analysis of soil, vegetation, and water samples
- MS Excel, R, ArcGIS, or other suitable software for managing data and data analysis
- Strong organizational skills

The ideal candidate will have the following qualifications:

- Canadian Citizen or a Permanent Resident of Canada
- Holds, or will hold by September 2026, a BSc in a relevant Earth or natural science related discipline (e.g., geography, soil science, environmental science)
- Fluent in English, with strong written and oral communication skills
- Have a valid Canadian drivers license
- Meet all requirements for admission in the [MELS program](#) (e.g., cumulative GPA of 3.30 (B+) in the last 30 credit hours of study)

### **To Apply:**

Applications must be submitted by May 1, 2026. The position will be offered to the first qualified applicant. For consideration, please send the following information to Dr. Alex Koiter ([KoiterA@BrandonU.CA](mailto:KoiterA@BrandonU.CA))

- A letter of interest (maximum one page)
- A resume/CV describing qualifications and experience
- Statement on citizenship/Canadian immigration status
- Contact information for three references

For questions or further details please contact Dr. Alex Koiter or Dr. Taras Lychuk ([taras.lychuk@agr.gc.ca](mailto:taras.lychuk@agr.gc.ca)).