



Western

With an international reputation for success, Western ranks as one of Canada's top research-intensive universities. Our research excellence expands knowledge and drives discovery with real-world application. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities and one of Canada's most beautiful.

The Department of Civil and Environmental Engineering is one of four departments in the Faculty of Engineering. Faculty and staff in the department support and foster the educational and research pursuits of undergraduate and graduate engineering students, while providing the best student experience.

The Ontario Tornadoes Research Project aims to contribute to exploring tornado behavior and climatology using aircrafts and various remote sensing technologies, including radar and storm survey records, with the goal of improving knowledge of tornados in Ontario, including their detection, climatology and prediction. The Ontario Tornadoes Research Project seeks to advance discovery in severe weather research, improve tornado prediction and warning, provide guidance on the building of safer and more resilient homes, and to inform policy development. There are two main components of the Project, 'The Northern Ontario Flyover Project' and 'The Tornadoes in Ontario Project'.

The **Research Associate, Meteorologist** will apply their expertise and knowledge to a research pilot project, 'The Tornadoes in Ontario Project', aiming to improve knowledge of tornadoes, in collaboration with the Principal Investigator and Environment and Climate Change Canada (ECCC). The incumbent will carry out independent research to assist them in achieving their research outcomes, and will carry out the research project at ECCC's research facility located at King City Radar Station, King City, Ontario and in field sites in Ontario. The incumbent will ensure that research outcomes are achieved on time, and will communicate progress updates to internal and external stakeholders. The Research Associate, Meteorologist will play a lead role in enhancing the existing Ontario tornado database, evaluating and interpreting results, developing case studies, models and correlations, and preparing reports and other written material for presentations and submissions to various stakeholders as required

Qualifications:

Education:

- Master's Degree in Atmospheric Science
- PhD in Atmospheric Science and/or Certificate in Meteorology is preferred

Experience:

- 3 years' experience in a research environment planning, preparing and executing projects
- 3 years working experience monitoring weather and severe storms

Knowledge, Skills & Abilities:

- In-depth knowledge of techniques for planning, managing and coordinating multiple projects, with competing priorities that involve a variety of stakeholders

- Project management skills to manage multiple projects simultaneously from conception to completion within tightly prescribed timelines
- Familiarity with regulations and guidelines governing research in an academic environment
- Knowledge of methods for research design, implementation, and analysis and with techniques for updating, managing and extracting data from a research database
- Ability to collaborate across internal and external boundaries to meet common objectives, improve outcomes and support work beyond one's own unit
- Ability to work independently and effectively as a member of the team to achieve department goals
- Ability to adhere to legislated safety requirements and Western and ECCC safety policies
- Proven ability and natural inclination to develop relationships by interacting with people in a professional, respectful and diplomatic manner
- Communication skills to describe technical concepts effectively to both novice and sophisticated users
- Ability to provide solutions and ideas for improvement by using imaginative approaches where constructive thinking and innovation are required
- Ability to investigate defined issues, solicit input, and suggest remedies and alternative approaches that meet the needs of the situation
- Demonstrated working knowledge of relevant scientific/research principles with the ability to research/investigate issues and resolve problems
- Ability to interpret and identify key results from research and to succinctly summarize research findings
- Detail-oriented with an ability to function and process information with high levels of accuracy
- Advanced skills in software and applications used to produce and analyze research outcomes (forecasting tools such as Aurora and with operational tools for radar, satellite, etc.)
- Advanced computer skills using Microsoft Office Suite (Word, Excel, PowerPoint)
- Ability to work in a manner that models best practices in confidentiality standards
- Commitment to ongoing professional development, with a willingness to stay abreast of technological developments and a desire to take on new challenges
- Ability to multi-task and maintain an organized and effective personal work environment
- Ability and willingness to travel within Ontario, and to work within a flexible schedule to accommodate the activities of the research project
- Familiarity with University policies and procedures preferred

Interested applicants are asked to visit: <https://recruit.uwo.ca> to apply online to job reference 12344, by midnight on April 11th, 2018.

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Human Resources at hrhelp@uwo.ca or phone 519-661-2194.