

## Tenure-Track Assistant Professor in Industrial Engineering

Position # 002586TT-2025-MAME

The University of Windsor's Mechanical, Automotive, & Materials Engineering seeks applications for a tenure-track Assistant Professor position commencing as early as January 1, 2025.

The University of Windsor Faculty of Engineering, with over 2000 undergraduate and over 500 graduate students, offers several thriving programs within the University with strong connections to the community and industry. The Faculty of Engineering is now housed in the world-class Ed Lumley Centre for Engineering Innovation (CEI), which offers an excellent environment for teaching and research. The Mechanical, Automotive, & Materials Engineering Department is among the largest on campus, with over 40 faculty members. For more information about the Department, please visit [our website](#).

The successful candidate is expected to engage in teaching, research, and service. The teaching duties may be at the undergraduate or graduate level in support of departmental BSc, MSc, MEng, and PhD programs. They will develop and/or teach up to four courses per year, mainly in support of the Bachelor of Applied Science and Master of Engineering programs in Industrial Engineering. They will develop an independently funded research program that can interact with and complement the existing expertise in the faculty and provide value to local industry partners. They will supervise graduate students in support of their research activities. They will participate in various committees in the department (e.g. Curriculum, Planning), faculty, or across campus.

### The successful candidate must have:

- a PhD and an undergraduate engineering degree, both in Industrial Engineering or a closely related field;
- a record of research contributions in Industrial Engineering with demonstrated expertise in one or more of the following fields:
  - Artificial Intelligence and Machine Learning
  - Data Analytics
  - Optimization
- research applications in the broad areas of Manufacturing, Agriculture and Food, Healthcare, Transportation and Logistics, or Business and Finance;
- a demonstrated commitment to undergraduate and graduate teaching in a relevant engineering topic, e.g., Operations Research, Supply Chain, Production Analysis;
- eligibility for registration as a Professional Engineer with Professional Engineers Ontario or another Canadian equivalent licensing body.

### Preferred qualifications:

- research management experience, e.g., record of funding success, team leadership and student supervision, industry partnerships, publications, etc;
- prior teaching experience and the ability to instruct in the use of engineering software tools, e.g., MATLAB, Python, R, Julia;
- ability to maintain an online presence using the University's Learning Management System (Brightspace);
- experience or familiarity with the Canadian Engineering Accreditation Board procedures for program accreditation.

This hire aligns with the bold imperatives of the University of Windsor strategic plan, [Aspire: Together for Tomorrow](#), ratified Spring 2023. The University embraces a people-first philosophy grounded in a culture of academic excellence and deep belonging. Among key strategic priorities are advancing the journey towards truth and reconciliation; building a [just, equitable, diverse, and inclusive university](#); ensuring a high-quality teaching, learning, and student experience; engaging in impactful research, scholarship, and creative activity; fostering a safe, welcoming, and sustainable campus; and engaging in local and global partnerships. The University has already made significant strides on many of these key files, and we are seeking applicants interested in working alongside us to advance them even further. Driven by the University's commitment to anti-racism, the Black Scholars Institute was established in 2023 supported by a historic cohort hiring initiative that has brought thirteen Black scholars to UWindsor across several of our faculties. The recent cohort of new faculty joining the University (over 50) is among the most diverse in our history.

Our campus is situated on the traditional territory of the Three Fires Confederacy of First Nations: the Ojibwa, the Odawa, and the Potawatomi. We are making steady progress on the [Indigenization](#) of academic programming, an Indigenous Strategic plan, and a cohort hire of Indigenous faculty in 2018-19 followed by additional hiring. Our students mirror the extraordinary cultural richness of our region, one of the most diverse in all of Canada. And we have strong global partnerships and commitments, which are reflected in the increasing number of graduate and undergraduate students we attract from across the world. The University is a signatory to the Scarborough Charter and participates in the Federal 50/30 Challenge.

The University of Windsor is a Canadian public, comprehensive research university enrolling over 16,000 students, including 5700 graduate students. It offers more than 280 academic programs and certificates, including 70 master's and doctoral degrees across its nine faculties: Arts, Humanities, and Social Sciences; Business; Education; Engineering; Graduate Studies; Human Kinetics; Law; Nursing; and Science. It also houses a medical program through the Schulich School of Medicine and Dentistry at Western University. Tenured and tenure-track faculty number about 600.

## **Application Requirements**

- a letter of application, including a statement confirming eligibility to work in Canada;
- a curriculum vitae;
- a one-page statement of commitment to Equity, Diversity, Inclusion, Decolonization and Indigenization;
- a teaching dossier or portfolio demonstrating potential for or evidence of teaching effectiveness and excellence that will include sample course syllabi/outlines, teaching evaluations, and a statement of teaching philosophy and interests (resources and templates for completing a teaching dossier can be found at <https://www.uwindsor.ca/ctl/502/teaching-dossiers>);
- a statement of research interests; and
- three (3) contacts for references. These referees will be contacted only for shortlisted candidates.

The short-listed candidates may be invited to provide further information in support of their applications. To ensure full consideration, complete an **online application** (<http://www.uwindsor.ca/facultypositions>) found on the job advertisement by **October 30, 2024**. Applications may be considered after the deadline date; however, acceptance of late submissions is at the discretion of the appointments committee.

**Any questions may be sent to:**  
**Dr Bruce Minaker, Head, Mechanical, Automotive, & Materials Engineering**  
[bminaker@uwindsor.ca](mailto:bminaker@uwindsor.ca)

In pursuit of the University's commitment to employment equity, members from the designated groups (women, Indigenous/Aboriginal (First Nations, Métis, Inuit) persons, racialized persons/visible minorities, persons with disabilities, and persons of a minority sexual orientation and/or gender identity) are encouraged to apply and to self-identify.

For an accommodation for any part of the application and hiring process, please notify the Faculty Recruitment Coordinator ([recruit@uwindsor.ca](mailto:recruit@uwindsor.ca)). Should you require further information on accommodation, please visit the website of the Office of Human Rights, Equity & Accessibility (<http://www.uwindsor.ca/ohrea>).

All qualified candidates are encouraged to apply. Canadians and permanent residents will be given priority. This position is subject to final budgetary approval.