University of Windsor

Faculty of Engineering

Canada Research Chair – Tier 2 – Green Materials, Chemistry, and Infrastructure (Internal Position)

Position #: 4072

Date posted: September 17, 2026

The University of Windsor's Faculty of Engineering seeks internal applications for a **Canada Research Chair – Tier 2 in Green Materials, Chemistry, and Infrastructure (Internal) position** commencing as early as January 2027.

Canada Research Chair Position

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.

This position will be appointed in the Faculty of Engineering at the rank of Assistant or Associate Professor (tenure-track or tenured). The Tier 2 CRC program is intended for exceptional emerging scholars (i.e. an individual who has been an active researcher in their field who is normally within 10 years of their PhD conferral), recognized by their peers as performing high-impact research and creative activities at the national and international level, and has the potential to lead in their field for the foreseeable future. The successful candidate will advance research on developing green and sustainable materials for infrastructure. Their work will significantly enhance the University of Windsor's capabilities in green materials research, contribute to reducing carbon footprints, and support Canada's goal of achieving net-zero emissions by 2050. The research will focus on quantifying carbon reduction and assessing structural and durability performance when these materials are used in various infrastructure, using both field and laboratory tests. Preference will be given to candidates whose research uses both field and laboratory approaches to achieve these objectives. The successful applicant should, at a minimum, be an Assistant or Associate Professor or possess the necessary qualifications. This internal position is subject to final budgetary approval and approval of the nomination by the Tri-agency Institutional Programs Secretariat (TIPS).

Faculty of Engineering

Located across the river from Detroit, Michigan, the University of Windsor is often referred to as "Canada's Automotive University"; and the Faculty of Engineering is a key contributor to our prominence. We have long-standing relationships with many major automotive OEM's and Tier 1 suppliers, including Stellantis, General Motors, Ford, Toyota, Magna, etc. The University of Windsor's Faculty of Engineering comprises three academic departments: Civil and Environmental Engineering; Mechanical, Automotive, & Materials Engineering; and Electrical and Computer Engineering. The Faculty of Engineering occupies a $114-million, nearly 30,000 square metre, state-of-the-art engineering learning and research hub: the Ed Lumley Centre for Engineering Innovation (CEI). The CEI is a catalyst for renewing and growing our Faculty of Engineering and promoting engineering innovation and industry cooperation within the Windsor-Essex Region, across Canada, and internationally. The Windsor-Essex region is currently undergoing dramatic and transformative economic diversifications, and the University of Windsor's Faculty of Engineering has been a key player in creating many new opportunities

The successful candidate will be appointed in the Faculty of Engineering, and will build on existing strengths, cultivate new research collaborations and explore emerging opportunities to enhance academic programming at the undergraduate and graduate levels. The successful candidate will establish, coordinate and lead collaborative teams engaging colleagues in Engineering and across campus (e.g. Faculty of Science, Faculty of Arts, Humanities, Social Science, and Indigenous Scholars), and research institutes (e.g. GLIER, WE-SPARK, and the Black Scholars Institute). In addition, the successful candidate will also have demonstrated a record of success in attracting, supervising and mentoring graduate students and post-doctoral fellows.

All qualified candidates are encouraged to apply; however Canadian citizens and permanent residents will be given priority.

The following criteria apply to candidates being considered for this position:

The ideal candidate for the Tier 2 Canada Research Chair in Green Materials, Chemistry, and Infrastructure will be expected to satisfy the following:

- An emerging scholar that holds a Ph.D. in a field related to Green Materials, Chemistry, and Infrastructure. The candidate will have the necessary qualifications to be appointed at the level of Assistant or Associate Professor. The candidate will be expected to propose an original and innovative research program with high-potential for transformative and impactful research results and outcomes;
- An emerging scholar is defined as a researcher who has obtained their Ph.D. within the last 10 years at the time of nomination. Applicants who are more than 10 years from having earned their Ph.D. degrees (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, slowdowns due to chronic illness or disability, etc.) may still be eligible to apply through the CRC Tier 2 justification process. Please contact vpri@uwindsor.ca for further details on requesting a CRC Tier 2 justification. For more information about the Canada Research Chair program and eligibility criteria, please consult the Canada Research Chairs website;
- A successful record in establishing, conducting, coordinating, and leading multi-disciplinary and collaborative research programs, including assertively obtaining extramural funding. This includes fostering relationships with the external community and stakeholders (e.g. governments and agencies). The successful candidate will establish their research program to complement the interdisciplinary research environment existing across the research community at the University of Windsor and beyond. The successful candidate should have the potential to attract, develop, and retain excellent trainees, students, and future researchers;
- The ability to teach in the Faculty of Engineering and supervise undergraduate and graduate students as well as postdoctoral fellows;
- The University of Windsor is especially interested in candidates who are committed to advancing equity, diversity, and inclusion within the learning and research environments. Consideration will also be given to those who have a track record of, or equipped with the capacity of attracting, developing, retaining, and working with equity seeking groups. This includes diverse trainees, students, and future researchers in order to foster accessible and inclusive learning environments for a diverse student population; and
- The candidate should have demonstrated the potential to achieve or further augment their international recognition in their discipline within the next five to ten years.

The initial term of the Tier 2 CRC is five years with the possibility of renewal subject to satisfactory performance review as per CRC policies and guidelines.

The University of Windsor recognizes that life circumstances such as illness, disability, family and community responsibilities (e.g., maternity leave, parental leave, leaves due to illness, leaves due to caring for family members, or slowdowns due to chronic illness or disability) are expected to have an impact on a candidate's record of research achievement, and that these impacts will be taken into careful consideration during the assessment process.

Compensation:

The successful internal candidate will receive a research chair stipend in the amount of 10% or their normal salary. This special research chair stipend shall be subject to all salary increases provided by this Agreement and shall cease when the research chair appointment ceases, except in the case of Canada Research Chairs which shall be subject to satisfactory external review at the time the appointment ceases.

Application Requirements

- a cover letter of application;
- a curriculum vitae;
- a one-page statement of commitment to Equity, Diversity, Inclusion, Decolonization and Indigenization;
- a statement of teaching philosophy, experiences and future opportunities. Templates for completing a teaching dossier can be found at https://www.uwindsor.ca/ctl/502/teaching-dossiers);
- a statement of research interests and a concise research proposal (up to 3 pages);
- up to 3 publications that illustrate their most important past research contributions; 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** found on the job advertisement by **October 15, 2027**. 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. Shanthi Johnson, Vice-President, Research and Innovation
Tel: (519) 253-3000 Ext. 5003
Please click here to send email

For an accommodation for any part of the application and hiring process, please notify the Faculty Recruitment Coordinator (recruit@uwindsor.ca). Should you require further information on accommodation, please visit the website of the Office of Human Rights, Conflict Resolution and Mediation (http://www.uwindsor.ca/ohrcrm).

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