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# Canada Research Chair (CRC) in Advanced Nuclear Engineering - Tier 2

Oshawa, ON, Canada | req1716

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## Canada Research Chair (CRC) in Advanced Nuclear Engineering - Tier 2

**Tracking Code:** req1716

**Faculty/Department:** Faculty of Engineering and Applied Science

**Appointment Type:** Tenured and Tenure-Track, Full-time Continuing

**Number of Positions:** 1

**Salary Grade:** Administered in accordance with the Collective Agreement

**Posting Date:** August 15, 2025

**Application Review Date:** October 15, 2025 (7:00 PM EST) or until a suitable candidate has been found

The Faculty of Engineering and Applied Science invites applications for a NSERC Tier 2 Canada Research Chair (CRC) in Advanced Nuclear Engineering. This CRC appointment opportunity is intended for emerging scholars, at the rank of assistant or associate professor (or those who possess the necessary qualifications to be appointed to these levels). Appointment is conditional on the approval by the CRC Program of the submitted nomination for the CRC Tier 2.

### **About the Role**

To alleviate the under-representation of groups who experience systemic barriers in the CRC Program (as identified by the Tri-Agency Institutional Programs Secretariat), this opportunity is only open to individuals who self-identify as Women or as being from other Gender Equity-Seeking Groups in the application process. This initiative is a special program as described by the Ontario Human Rights Commission. The University welcomes and supports applications from such candidates who also identify as members of other equity-seeking groups.

Tier 2 CRCs are intended for exceptional emerging scholars (i.e. candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Candidates who are more than 10 years from earning their highest degree (and where career breaks such as maternity, parental, extended sick leave, clinical training, etc., exist) may have their eligibility for a Tier 2 CRC assessed through the program's Tier 2 justification process. Please refer to the CRC website for eligibility details or contact the Office of the Vice President Research and Innovation ([research@ontariotechu.ca](mailto:research@ontariotechu.ca)) for more information.

The successful candidate will be nominated for a CRC. The candidate's research area must align with the subject matter eligibility of NSERC. Nominations are subject to review by the CRC Secretariat, and appointment as a CRC is conditional upon its approval. A Tier 2 CRC is tenable for five years and is renewable once. New CRCs are also eligible for infrastructure support from the Canada Foundation for Innovation (CFI) to help acquire state-of-the-art equipment essential to their work.

### **The Ideal Candidate**

Ontario Tech seeks a candidate with the potential to enhance the nuclear research landscape in Canada, with a focus on advanced nuclear reactor design, nuclear facility construction methods, nuclear design methods, safety, licensing and environmental protection, or applications of advanced reactors beyond electricity

production. The successful candidate will have a strong publication record, demonstrated nuclear industry engagement and a history of successful funding. As well, they will have demonstrated an ability to successfully develop highly qualified personnel, and will be expected to grow and manage an active research group at Ontario Tech. They will be expected to maintain collaborative and collegial relationships with faculty, staff, students, and the community at large. The successful candidate must be able to maintain eligibility to obtain funding from Canadian federal, provincial, international funding agencies and must be able to maintain compliance with Canadian and US trade controls including sanctions and/or export control regulations and the federal government's Policy on Sensitive Technology Research and Affiliations of Concern.

The successful candidate will be expected to follow a 40% Research, 40% Teaching and 20% Service workload each year.

### **Qualifications and Experience:**

- A PhD degree
- A bachelor's degree in engineering
- Registered as a Professional Engineer or is eligible to register as a Professional Engineer in the Province of Ontario
- Strong potential for outstanding teaching contributions in a core engineering discipline
- Excellent English language skills and an ability to maintain strong, two-way communications on an ongoing basis

### **The University**

Ontario Tech University (University of Ontario Institute of Technology), located in Oshawa, Ontario, is proud to encourage an interactive, information-sharing culture for our individual staff, and teams which enhance organizational effectiveness. Ontario Tech's innovative programs, and technology-enriched learning environment create an atmosphere of academic excellence. Ontario Tech promotes social engagement, fosters critical thinking, and integrates outcomes-based learning experiences inside and outside the classroom. We invite you to consider joining Ontario Tech's globally trained faculty as we further our reputation for providing a leading-edge learning environment and delivering innovative research.

### **The Department of Energy and Nuclear Engineering**

The CRC will be held in the Department of Energy and Nuclear Engineering (ENE). The Department offers Canada's only accredited undergraduate Nuclear Engineering program, as well as undergraduate degrees in Health Physics and Radiation Science, and Energy Engineering. The Department also offers a corresponding Engineering and Management degree for its Engineering programs. In addition, the

Department offers Graduate Diplomas in Nuclear Design Engineering and Nuclear Technology, as well as MEng, MASc, and PhD degrees in Nuclear Engineering. The Department is committed to teaching and research excellence in Nuclear Science and Engineering, and to supporting the nuclear sector in Canada and internationally.

## Application Process

Review of applications will begin on **October 15, 2025** and will continue until a suitable candidate is found.

Applicants should submit the following components in electronic format in a single pdf file:

- a covering letter
- a curriculum vitae including a list of publications
- a statement of teaching interests/experience
- evidence of high-quality teaching
- an outline of their present research program
- a brief future research plan
- a brief statement describing current and planned engagements and contributions to advancing equity, diversity, and inclusion in academic, professional, or community contexts.
- the names and contact information of three referees

## Compensation

This position falls within the bargaining unit represented by the [UOIT Faculty Association](#) and will be subject to the terms and conditions of the collective agreement between the University and the [UOIT Faculty Association](#) collective agreement may be found on the Human Resources section of our website. Starting salary will be commensurate with experience and annual salary increases are administered as per the terms outlined in the collective agreement.

## Employment Equity at Ontario Tech University

Ontario Tech University is committed to ensuring equity, diversity, and inclusion in the research, scholarly and leadership environments of our students, staff, and faculty members. Ontario Tech University understands that our pursuit of research excellence and our commitment to equity, diversity and inclusion are mutually supporting. As such, Ontario Tech University is committed to achieve and maintain

an equitable representation amongst our Canada Research Chair holders, as well as within Ontario Tech University's broader research enterprise.

The CRC requires institutions to collect self-identification data from all applicants. To be considered for this position all candidates must complete the confidential self-identification questionnaire included in this application process. In accordance with the University's Canada Research Chairs Equity, Diversity, and Inclusion Action Plan, and to support Ontario Tech University's commitment to equity, diversity and inclusion, in our chairholders and pursuant to Section 14 of the Ontario Human Rights Code, only applicants who self-identify as a woman, which includes individuals from Gender Equity-Seeking Groups (individuals who identify as transgender, gender-fluid, non-binary and Two-Spirit) will be considered for this CRC opportunity. The objective of this measure is to increase the representation of the four designated groups in the allocation of Canada Research Chair positions.

The objective of this measure is to increase the representation of the four designated groups in the allocation of Canada Research Chair positions. Data collected will only be utilized to support the recruitment processes and shared confidentially with the search committee as required to support the reporting requirements to the Canada Research Chairs Program.

Ontario Tech University is actively committed to equity, diversity, inclusion, indigenization and decolonization (EDIID), and welcomes applications from all qualified candidates, while especially encouraging applications from First Nations, Metis, Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents, Indigenous Peoples in Canada, and those eligible to work in Canada, will be given priority.

## Hiring Accommodations

Ontario Tech University respects people's different needs and therefore will take all reasonable steps to ensure accommodation for applicants where appropriate. The University is also committed to ensuring that confidentiality is maintained throughout all aspects of the recruitment cycle.

If you require accommodation, please contact [Julie Day](#), Health and Disability Management Specialist. For more information about the universities policies for accommodating employees with disabilities please review the university's [Accessibility Policy](#)

The university acknowledges the lands and people of the Mississaugas of Scugog Island First Nation which is covered under the Williams Treaties. We are situated on the Traditional Territory of the Mississaugas, a branch of the greater Anishinaabeg Nation which includes Algonquin, Ojibway, Odawa and Pottawatomi.

**Job Location:** Oshawa, Ontario, Canada

**Expected Start Date:** 3/1/2026

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