



# Associate or Full Professor (or eligible to be promoted to full professor within 1-2 years)and Canada Research Chair, Tier 1 - School of Nursing and/or School of Computer Science (or cognate unit), (Healthcare Simulation)

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## About the Position

- **Field of Specialization:** Healthcare Simulation
- **Academic Unit:** School of Nursing and/or School of Computer Science (or cognate unit)
- **Category of Appointment:** Tenured
- **Rank/Position Title:** Associate or Full Professor (or eligible to be promoted to full professor within 1-2 years) and Canada Research Chair, Tier 1

- **Salary Range: [SG1]** The salary is competitive and commensurate with experience and track record.
- **Existing Vacancy:** Yes
- **Start Date:** January 1, 2028
- **Closing Date:** Consideration of candidates will begin on July 4, 2026.
- **Date ad is posted:** June 5, 2026

Carleton University invites applications from outstanding research scholars for an NSERC Tier 1 Canada Research Chair (CRC) in Health Care Simulation, to be held at the rank of Associate Professor or Full Professor, with tenure. Tier 1 Canada Research Chairs are intended for outstanding researchers acknowledged by their peers as world leaders in their fields. For more details, please see the Canada Research Chairs Secretariat at <https://www.chairs-chaire.gc.ca/> and the Carleton Office for Research Initiatives and Services at <https://carleton.ca/coris/>.

Appointment is conditional on the approval of the nomination by the CRC Program.

The successful candidate will demonstrate an internationally recognized program of Natural Sciences and Engineering (NSE) research that advances the application and development of computer science, AI, data science, and or augmented / virtual reality as they relate to health care simulation, outcome-based performance, training and coaching systems, and simulation-informed design thinking. Applicants should consult NSERC's statement on the eligibility of health-related research at <https://nserc-crsng.canada.ca/en/addendum-guidelines-eligibility-applications-related-health>.

The successful incumbent will be a strategic and independent NSE research leader who is excited by the opportunity to build on a strong foundation while shaping a largely open research landscape. This is a builder role suited to a scholar who seeks a collaborative, interdisciplinary environment and who will actively pursue partnerships across academic, clinical, and technology communities.

## Research Focus

The Chair's research program must align with the subject matter eligibility of NSERC, with a primary emphasis on technology development and application, while clearly demonstrating impact within health and health care contexts. Areas of research interest include, but are not limited to:

- Health care simulation systems and platforms.
- Artificial intelligence and data-driven approaches to simulation, training, and performance assessment.
- Virtual, augmented, and mixed reality applications in healthcare delivery, education and practice.
- Human-centered systems design and outcome-based evaluation in simulated environments.
- Computational modeling and analytics to support healthcare decision-making, learning, and safety.
- Simulation-based NSE innovations in healthcare.
- Candidates may be appointed in the Nursing, Computer Science, or another academic unit, with cross-appointment opportunities available where appropriate.
- While direct clinical research experience is not required, the successful candidate must demonstrate a commitment to health-driven research questions and meaningful engagement with health education and practice contexts.

## About the Academic Unit

In addition to leading a high-impact research program, the Chair will serve as a senior research informant and academic leader supporting the development of Carleton University's graduate programs in Nursing and interprofessional health education.

The successful candidate will:

- Contribute to shaping technology-forward graduate curricula and research
- Mentor graduate students and postdoctoral fellows drawn from nursing, computer science, or engineering

- Play a formative role in developing graduate programming
- Collaborate with colleagues to embed simulation, data science, and emerging technologies across teaching and research

Carleton's School of Nursing welcomed its inaugural undergraduate cohort in September 2025 and is experiencing exceptional demand. Graduate programming is under active development, offering a rare opportunity for a Tier 1 Chair to influence program architecture from the outset.

## Partnerships and Research Environment

Carleton University is located in the nation's capital and is embedded within a rich ecosystem of research institutes, government organizations, and technology partners. The successful candidate will be encouraged and supported to build external research partnerships, including but not limited to collaborations with regional health care providers and national and international research networks.

## Qualifications

Carleton University requires:

- A PhD in health technology, computer science, engineering, nursing with a technology focus, or a closely related discipline.
- An internationally recognized record of research excellence and leadership appropriate for an NSERC Tier 1 CRC nomination.
- A sustained record of high-impact publications and successful external NSE-focused research funding.
- Demonstrated exceptional training and mentorship program for diverse undergraduate and graduate students, as well as postdoctoral fellows.

- A collaborative approach to research and a strong commitment to mentoring.
- Dedication to advancing equity, diversity, and inclusion in research design and practice, and mentoring.
- Demonstrated record of innovative and scholarly NSE research and the ability to lead an externally funded, high quality research program.
- High potential for collaborative research with existing members of Nursing and or Computer Science is an asset.
- A willingness to comply with funders' terms and conditions for research security compliance.

## Application Instructions

Applicants should submit the following materials in a single PDF file:

- A cover letter outlining interest in the position and alignment with the Chair's focus
- A curriculum vitae
- A statement (no more than 6 pages) describing:
  - A narrative of your research, leadership, teaching, and service contributions and their real-world impacts (e.g. uptake to professional practice, community impact)
  - Your strengths and/or experience in advancing equity, diversity and inclusion in your research, service, and teaching and how this informs your future research program
  - Proposed research program including research objectives, potential contribution to knowledge, and methods
  - A training and mentoring plan
- The names and contact information of three referees

If you are interested in this opportunity, contact Debra Clinton at [dclinton@kbrs.ca](mailto:dclinton@kbrs.ca) or Dr. Jennie Massey at [jmassey@kbrs.ca](mailto:jmassey@kbrs.ca).

Please indicate in your application if you are currently legally eligible to work in Canada.

To help us develop our equity programs, a confidential equity and diversity self-identification survey will be sent to all applicants separately by Carleton University's Office of Institutional Research and Planning.

We invite all applicants to provide an optional Career Interruption Statement outlining any career interruptions <https://carleton.ca/deputyprovost/career-interruptions-special-circumstances-statement-tiers-1-and-2/>.

## About Carleton University

Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading change. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Learn more about our university and the city of Ottawa at <https://carleton.ca/deputyprovost/jobs/>.

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women and gender equity-seeking groups; racialized individuals; Indigenous Peoples; persons with disabilities; and persons of any sexual orientation and/or gender expression. Furthermore, Carleton understands that career paths vary and interruptions will not prejudice the assessment process. We invite you to review our revitalized Indigenous strategy, Kinàmàgawin at <https://carleton.ca/indigenous> and visit our Department of Equity and Inclusive Communities at <http://carleton.ca/equity> for information about our commitment to leadership in the areas of equity, diversity, and inclusion.

Successful applicants who wish to identify as Indigenous to the CRC program will be required to work with Carleton University to ensure that they meet the Carleton University and Canada Research Chair Pprogram’s requirements for verification/attestation of Indigenous Citizenship and/or Band Membership.

Accessibility is a university strategic priority and applicants selected for an interview who require accommodations are invited to contact Professor Rowan Thomson at [rowan.thomson@carleton.ca](mailto:rowan.thomson@carleton.ca), at as soon as possible to ensure that appropriate arrangements may be made.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.



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Carleton University acknowledges the location of its campus on the traditional, unceded territories of the Algonquin Anishinàbeg nation

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