Associate Professor - Nuclear Engineering
University of Toronto

Job Title	Associate Professor - Nuclear Engineering
Department	Chemical Engineering & Applied Chemistry https://chem-eng.utoronto.ca/
Institution	University of Toronto Toronto, Ontario
Date Posted	Oct. 7, 2025
Application Deadline	Jan. 6, 2026
Position Start Date	Jul. 1, 2026
Job Categories	Associate Professor
Academic Field(s)	Chemical/Petroleum Nuclear
Apply Online Here	https://jobs.utoronto.ca/job/Toronto-Associate-Professor-Nuclear-Engineering-ON/596376817/
Apply By Email	

Job Description

The Department of Chemical Engineering & Applied Chemistry in the Faculty of Science & Engineering at the University of Toronto invites applications for a full-time tenure stream position in Nuclear Engineering. The appointment will be at the rank of Associate Professor, with an anticipated start date of July 1, 2026.

Candidates must have a PhD degree in Chemical Engineering or a related field, must hold a baccalaureate degree in Chemical Engineering or an equivalent discipline, and must have a clearly demonstrated record of excellence in research and teaching. We seek candidates whose research and teaching interests complement and enhance our existing departmental strengths in areas such as

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modern nuclear reactor design (fission, fusion, and small modular reactors), transport phenomena in nuclear reactors, thermal hydraulics, molten salt chemistry, thermodynamics, and processing, nuclear chemistry, AI-assisted modeling and simulation of nuclear energy systems, nuclear safety and waste management, and hybrid nuclear-renewable systems. The successful candidate will have an established international reputation and will be expected to sustain and lead innovative and independent research, maintain an outstanding, competitive, and externally funded research program, and teach in the chemical engineering curriculum at the undergraduate and post-graduate level. We will prioritize candidates who demonstrate the ability to sustain and lead innovative research that will advance the global frontiers of knowledge, rather than only their specialization area. Collaborative and inter-disciplinary research and collegial interaction will be important elements in success. Eligibility to register as a Professional Engineer in Ontario is a requirement.

Candidates must provide evidence of research excellence which can be demonstrated by a record of sustained high-impact contributions and publications in top-ranked and field relevant journals, the submitted research statement, presentations at significant conferences, awards and accolades, and other noteworthy activities that contribute to the visibility and prominence of the discipline, as well as strong endorsements from referees.

Evidence of excellence in teaching will be provided through teaching accomplishments, the teaching dossier submitted as part of the application (with required materials outlined below), as well as strong letters of reference.

Salary will be commensurate with qualifications and experience.

The Department of Chemical Engineering & Applied Chemistry at the University of Toronto is committed to its vision statement, “Through leading edge research and innovation, we integrate chemistry, biology and engineering to drive solutions to global challenges in energy, the environment and health”. For more information on the Department of Chemical Engineering & Applied Chemistry, please visit www.chem-eng.utoronto.ca.

All qualified candidates are invited to apply online by clicking the link below. Applicants must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; one recent publication; a teaching dossier which includes a teaching statement, sample course materials, and teaching evaluations; and an EDI statement as described below.

Equity, diversity and inclusion are essential to academic excellence as articulated in University of Toronto’s?Statement on Equity, Diversity and Excellence. Applicants are required to submit an EDI

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statement demonstrating their commitment and efforts to advance equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment.

Applicants must provide the name and contact information of three references. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each referee within 48 hours after an application is submitted. Applicants remain responsible for ensuring that references submit recent letters (on letterhead, dated, and signed) by the closing date. More details on the automatic reference letter collection, including timelines, are available in the candidate FAQ.

Submission guidelines can be found at http://uoft.me/how-to-apply. Your CV and cover letter should be uploaded into the dedicated fields. Please combine additional application materials into one or two files in PDF/MS Word format. If you have any questions about this position, please contact chair.chemeng@utoronto.ca.

All application materials, including recent reference letters, must be received by 11:59 pm EST, January 6, 2026.

The University of Toronto has adopted the AAU Principles on Preventing Sexual Harassment in Academia, including the requirement that applicants release personnel information from prior employers regarding sexual misconduct. Full details and requirements can be found here.

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

Diversity Statement

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see http://uoft.me/UP.

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Accessibility Statement

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.

Click here to apply.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Chemical Engineering and Applied Chemistry
University of Toronto
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Contact E-mail chair.chemeng@utoronto.ca