

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
UNIVERSITY OF WATERLOO

Three Positions in Actuarial Science or Quantitative Finance

The Department of Statistics and Actuarial Science in the Faculty of Mathematics at the University of Waterloo is in an exciting period of expansion due to a major investment in the Department by the University. Applications are invited for up to 3 tenure-track Assistant Professor faculty positions in Actuarial Science or Quantitative Finance. If circumstances warrant, appointments at Associate or Full Professor may be considered. Candidates must have a PhD in Actuarial, Statistical or Mathematical Sciences, Finance, Risk Management or a related area, and have potential or proven ability to develop an internationally recognized research program. Candidates should also have excellent communications skills and a strong commitment to teaching at the graduate and undergraduate levels. Professional actuarial qualifications and experience, although not strictly necessary, would be a distinct asset for two of the positions. The expected start date for these positions is July 1, 2022 though the actual start date is flexible. Note that this search complements other advertisements the Department currently has for a number of positions in the areas of Statistics, Biostatistics or Data Science.

The University of Waterloo is one of Canada's leading universities with over 40,000 full and part-time students in undergraduate and graduate programs. The Department of Statistics and Actuarial Science is one of the top academic units for the statistical and actuarial sciences in the world and is home to over 50 research active full-time faculty and close to 200 graduate students in programs including Actuarial Science, Quantitative Finance, Data Science, Statistics, and Biostatistics. The department offers a vibrant research environment over a wide range of areas including quantitative and computational finance, actuarial and financial risk management, financial econometrics, statistical theory, applied probability, analysis of longitudinal and event history data, causal inference, methods for incomplete data, statistical learning, data science, survey methods, industrial statistics, and interdisciplinary collaborative work. The department benefits from close relationships with many research groups on campus including the Survey Research Centre, the Business and Industrial Statistics Research Group, the Waterloo Artificial Intelligence Institute, the School of Public Health Sciences, the Interdisciplinary Centre on Climate Change, and the Centre for Theoretical Neuroscience. Faculty have access to a wide array of computational resources including access to regional and national high performance and super computing resources like SHARCNET, Compute Canada, and Scinet.

The Department offers both Masters and PhD degrees in Actuarial Science, including a professional Masters of Actuarial Science, and a Masters in Quantitative Finance. The University of Waterloo is also designated as a Center of Actuarial Excellence by the Society of Actuaries, and was on the inaugural list of universities fully accredited by the Canadian Institute of Actuaries.

Interested individuals should apply using [MathJobs](http://www.mathjobs.org/jobs) (www.mathjobs.org/jobs). Applications should include a cover letter, a curriculum vitae, research and teaching statements, teaching evaluation summaries (if available) and up to three reprints/preprints. In addition, applicants should arrange to have at least three reference letters submitted on their behalf. Completed applications will be reviewed on an ongoing basis. The application deadline is December 8, 2021. The salary offered will be commensurate with qualifications and experience. The salary

range for this position is \$120,000 to \$170,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

If you have any questions regarding these positions, the application process, assessment process, or eligibility, please contact

Stefan Steiner, Chair

Department of Statistics and Actuarial Science

University of Waterloo

200 University Avenue West

Waterloo ON N2L 3G1, CANADA

sas-chair@uwaterloo.ca

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

Commitment to Equity, Diversity and Inclusion

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office.

(<https://uwaterloo.ca/human-rights-equity-inclusion/indigenousinitiatives>).

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview or workplace accommodation requests, please contact Stefan Steiner – contact information given earlier.

Three reasons to apply: <https://uwaterloo.ca/faculty-association/why-waterloo>.