

Position Description

Professor position in algebra (Representation Theory)

The Department of Mathematics and Statistics at Université Laval invites applications for a faculty position in mathematics, specializing in algebra and number theory. While applications from all subfields of algebra are welcome, priority will be given to candidates with specific expertise or a strong interest in representation theory. This recruitment aims to develop a core structuring axis in this field and related areas. The appointment will normally be at the rank of assistant professor, with an expected start date in the summer of 2027

About Laval University

The Department of Mathematics and Statistics is part of the Faculty of Science and Engineering at Université Laval, one of Canada's leading research universities. The Department offers a premier research and teaching environment, with specialized undergraduate and graduate programs in mathematics and statistics across all three cycles, as well as a significant contribution to mathematics education within engineering, education, science, and other university programs.

Université Laval is located in Quebec City, the national capital of Quebec and a UNESCO World Heritage site. With a large academic community and a vibrant French-speaking environment, Université Laval offers a stimulating living, research, and teaching environment.

Responsibilities

The successful candidate will be expected to:

- conduct and publish research in their area of expertise;
- seek funding from major granting agencies;
- recruit and supervise graduate students;
- teach undergraduate and graduate mathematics courses in **French**, including large-enrollment service courses;
- contribute to the management and promotion of the department's programs;
- and, more broadly, participate in the development and smooth operation of the Department of Mathematics and Statistics, the Faculty of Science and Engineering, and Université Laval.

Selection Criteria

- Hold, or be near completion of, a PhD (or an equivalent degree) in mathematics, preferably in algebra.
- Demonstrated ability or clear potential to deliver high-quality university teaching at both the undergraduate and graduate levels.
- Demonstrated research ability and potential to develop a productive, independent, and original research program.
- Potential to collaborate with existing members of the algebra and number theory team on topics such as combinatorics, Lie theory, and algebraic number theory.
- Demonstrated ability or capacity to recruit and supervise graduate students in the department's mathematics programs.
- Demonstrated potential or commitment to institutional and community service.

- Ability to teach in French, or a commitment to become fluent enough to do so within one year, along with the capacity to integrate into the institution's Francophone environment within a reasonable timeframe.
- Alignment of professional potential with the core competencies required for a faculty role:
 - Analytical skills, capacity for synthesis, and sound judgment;
 - Creativity and innovation;
 - Strong communication skills;
 - Interpersonal skills and openness;
 - Ability to work effectively in teams and with partners;
 - Autonomy and a strong sense of responsibility;
 - Strong sense of ethics and duty;
 - Ability to mentor and supervise individuals

Terms of Employment

Salary is commensurate with the collective agreement in effect.

Application Procedures

Interested candidates must submit:

- a cover letter;
- a curriculum vitae;
- three letters of reference (at least one of which should comment on teaching experience or potential);
- a research proposal (maximum of four pages) detailing their research program for the next three years;
- a teaching statement (maximum of two pages) detailing their teaching philosophy;
- up to three articles (reprints or preprints).

For electronic submissions, all files must be in PDF format. Non-Francophone candidates must also clearly indicate their level of French proficiency in their cover letter and, if applicable, comment on their ability to reach a level sufficient to teach in French within one year.

Applications can be submitted by email to **PosteMAT@mat.ulaval.ca**, or by mail to:

Department of Mathematics and Statistics
1045, av. de la Médecine
Université Laval
Québec (Québec)
Canada G1V 0A6

The closing date for applications is November 1, 2026.

For further information, please contact the chair by email at **PosteMAT@mat.ulaval.ca**.