

## TT Job advertisement

The Department of Mathematics in the College of Science at Purdue University invites applications for one appointment in Mathematics at the level of Assistant/Associate Professor to start in August 2023.

This position comes at a time of engaged leadership and growth in the College of Science - Purdue's second-largest college, comprising the mathematical, physical and life sciences. This position is an important component of a large-scale interdisciplinary hiring effort across key strategic areas in the College, including mathematical and computational foundations, quantum computation, and data science. Research within the Department of Mathematics spans multiple areas of pure and applied mathematics and extends to collaborations with partners across science and engineering. For more information about our department, see [www.math.purdue.edu](http://www.math.purdue.edu).

A successful candidate will combine an outstanding record of research excellence with a commitment to effective and engaged teaching. Appointment will be made based on demonstrated research and teaching qualifications. Candidate must have a Ph.D. (or its equivalent) in mathematics or a closely related field.

Preference will be given to outstanding applicants in the areas of

- Analysis and Geometry (including harmonic analysis, partial differential equations, complex analysis, and symplectic/differential geometry),
- Applied Mathematics (including data science, machine learning, the modeling of physical or biological systems, inverse problems, computational methods), and
- Algebra (including algebraic topology, number theory, algebraic geometry, commutative algebra, operator algebras).

A successful candidate is expected to develop a vibrant research program supported by extramural funding, teach undergraduate and/or graduate mathematics courses to a diverse student body, and supervise graduate students. Senior faculty are also expected to mentor junior faculty and participate in the governance of the department, the College of Science, and Purdue University by serving on faculty committees.

Purdue University, the College of Science, and the Department of Mathematics are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values diversity and inclusion. Purdue University, the College of Science, and the Department of Mathematics are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom. A background check will be required for employment in this position.

Applications should be submitted online through [www.mathjobs.org](http://www.mathjobs.org) and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) at least four letters of recommendation, one of which discusses the candidate's teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile including voluntary demographic data at [SuccessFactors](http://SuccessFactors). Reference letter writers should be asked to submit their letters online through [www.mathjobs.org](http://www.mathjobs.org). Direct all inquiries to [mathexec@purdue.edu](mailto:mathexec@purdue.edu). All applications received by November 1, 2022 will be given full consideration.

*Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.*