**Seminars**

Seminars and Colloquia are offered to students every week:

- Algebra and Logic Seminar
- Analysis and Dynamics Seminar
- Graduate Colloquium
- Graduate Teaching Assistant Seminar
- Student-Only Seminar

For more information, please visit: science.du.edu/math/graduate-degrees

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**How To Apply**

- Fill out the graduate application form online at www.du.edu/admission-aid/graduate
- Submit current GRE scores (taken within the past five years), official undergraduate (and graduate, if any) transcripts, three letters of recommendation, and a personal statement.
- If you are an international student and your language of instruction was not English, provide a TOEFL score.
- Applications must be completed and received by the Department no later than February 1st to be given full consideration for a GTA award.

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**Financial Support**

**Graduate Teaching Assistantships** are merit-based and are awarded on a competitive basis. The department offers 24 tuition waiver hours per academic year and a 2020-21 stipend of $21,218 for PhD students, and $18,655 for Masters students for the academic year.

**Hammond Scholarships** are awarded by the Math Graduate Committee to students with high GPAs who are pursuing degrees in mathematics.

**John G. Daly Endowment** provides support for research-related expenses of students in the department of Mathematics. These include travel expenses, books, and other materials supporting research endeavors.

**Dean’s Scholarships** are awarded by the Dean of Natural Sciences and Mathematics to incoming graduate students. Nominations are made by the department.

**Graduate Fellowships** are awarded by the Vice Provost of Graduate Studies. These fellowships are generally one-year awards.

**Employment Opportunities** are available to assist students in the Math Center and to grade for first and second year undergraduate classes. This requires a commitment of 5 to 20 hours a week.

For more information, please visit: www.du.edu/admission-aid/financial-aid

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Our mathematics department:

- provides scholarships and graduate teaching assistantships
- offers MA, MS, and PhD degrees
- funds conference travel for graduate students
- is both large enough to provide high-quality research opportunities and small enough to guarantee close faculty-student interaction
- offers graduate students an opportunity to learn within a vibrant intellectual community
Where are they now?

PhD Graduates

Wesley Fussner (2018): Post-doctoral researcher, CNRS, Laboratoire J.A. Dieudonné
Lauren Nelsen (2019): Assistant Professor, University of Indianapolis
Dennis Pace (2018): Adjunct Professor, Colorado School of Mines
Gavin St. John (2019): Teaching Assistant Professor, University of Denver

Postdoctoral Scholars

Daniel Hathaway: Lecturer, University of Vermont
Katherine E. Perry: Assistant Professor, Soka University
Izabella Stuhl: Visiting Assistant Professor, Penn State
Seung Yeop Yang: Assistant Professor, Kyungpook National University

Faculty Research Areas

Permanent Faculty

Alvaro Arias: Functional analysis
Natasha Dobrinen: Set theory, Boolean algebras, mathematical logic, foundations of mathematics
Nikolaos Galatos: Lattice theory, ordered algebras, mathematical logic
Paul Horn: Spectral graph theory and probabilistic combinatorics
Shashank Kanade: Vertex operator algebras, tensor categories, integer partition identities and q-series
Michael K. Kinyon: Nonassociative structures, loops, quasigroups, history of mathematics
Frédéric Latrémolière: Functional analysis, C*-algebras, noncommutative geometry, C*-dynamics
Andrew Linshaw: Equivariant cohomology, invariant theory, vertex algebras and infinite-dimensional Lie algebras

Nicholas Ormes: Dynamical systems, ergodic theory, topology
Ronnie Pavlov: Dynamical systems, ergodic theory, symbolic dynamics
Frank Schroeck: Mathematical physics, foundations of quantum mechanics, quantum mechanics on phase space, quantum structures
Petr Vojtěchovský: Nonassociative algebras, latin squares, Yang-Baxter equation, computational algebra
Mei Yin: Phase transitions, random graphs, lattice spin systems, cluster expansions, renormalization and spectral theory

Postdoctoral Scholars

Sara Botelho-Andrade: Functional analysis, phase retrieval, quantum error correction
Christopher Jennings-Shaffer: Partition functions in number theory
Kang Lu: Representation theory, quantum algebra, and integrable systems
Scott Schmieding: Symbolic dynamics, algebraic k-theory, topological dynamics,