Master of Arts (MA) Requirements:

- 45 quarter hours of graduate-level mathematics courses (at least 12 of those hours 4000-level approved courses).
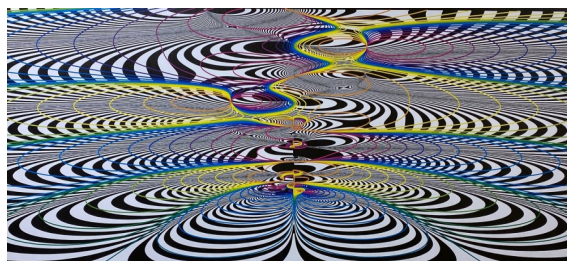- No thesis is required.

Master of Science (MS) Requirements:

- Completion of MA requirements.
- Up to 15 quarter hours may be in an approved cognate area.
- Satisfying the tool requirement.

Doctor of Philosophy (PhD) Requirements:

- Completion of MS degree requirements.
- A minimum of 135 quarter hours.
- Passing of preliminary examinations.
- Completion of a written dissertation, and successful defense of the dissertation.
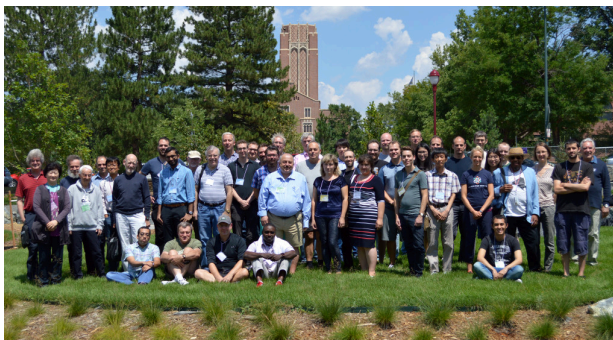- Satisfying the tool requirement.

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

Artwork by Distinguished Professor Stan Gudder

How To Apply

- Fill out the graduate application form online at www.du.edu/admission-aid/graduate

- Submit official undergraduate (and graduate) transcripts, three letters of recommendation, a personal statement, and optional GRE scores taken within the past five years.

- 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.

Milehigh Conference on Nonassociative Mathematics

Seminars

- Algebra and Logic Seminar
- Analysis and Dynamics Seminar
- Graduate Colloquium
- Artificial Intelligence and Machine Learning Seminar
- Student-Only Seminar

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 2022-23 stipend of $24,316 for PhD students, and $21,380 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.

More information: www.du.edu/admission-aid/financial-aid

UNIVERSITY OF DENVER

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Assoc. Chair for Graduate Studies:
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Department Chair:
Alvaro Arias
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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

University of Denver Campus

Where are they now?

Mariah Barnes
teaching assistant professor, Baylor University

Kirk Boyer
Google

Riley Britten
Blue Canyon Technologies

Lauren Nelsen
assistant professor, University of Indianapolis

Adam Purcilly
technical solutions engineer, Epic

≪ Recent Postdoctoral Scholars ≫

Florencia Orosz Hunziker
assistant professor, University of Colorado-Boulder

Chris Jennings-Shaffer
postdoctoral scholar, Howard Hughes Medical Institute Seattle

Scott Schmieding
assistant professor, Penn State University

Seung Yeop Yang
assistant professor, Kyungpook National University

Faculty Research Areas

≪ Permanent Faculty ≫

Alvaro Arias
Functional analysis

Nikolaos Galatos
Lattice theory, ordered algebras, mathematical logic

Paul Horn
Spectral graph theory and probabilistic combinatorics

Shashank Kanade
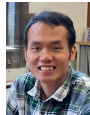Vertex operator algebras, tensor categories, integer partition identities and q-series

Michael Kinyon
Nonassociative structures, loops, quasigroups, history of mathematics

Frédéric Latrémolière
Functional analysis, C*-algebras, noncommutative geometry, C*-dynamics

Anh Le
Ergodic theory and dynamical systems

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

Mandi Shaeffer Fry
Group theory and character theory

Petr Vojtěchovský
Nonassociative algebra, latin squares, Yang-Baxter equation and knot theory

Mei Yin
Phase transitions, random graphs, renormalization and spectral theory

≪ Postdoctoral Scholars ≫

Charlotte Aten
Combinatorics, universal algebra, category theory

Fei Qi
Vertex algebras and representation theory

Sujoy Mukherjee
Knot theory and Khovanov homology

Rodrigo Ribeiro
Probability and random graphs

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