

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.

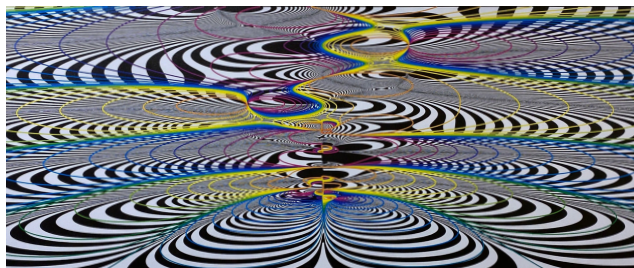
Master of Science (MS) Requirements:

- 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 117 quarter hours.
- Passing of preliminary examinations.
- Completion of a written dissertation, and successful defense of the dissertation.
- Satisfying the tool requirement.

For more info: science.du.edu/math/graduate-degrees



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.



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 2025-26 stipend of \$26,548 for PhD students, and \$23,342 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 info: www.du.edu/admission-aid/financial-aid



DEPARTMENT OF MATHEMATICS

303-871-2911

Math-Info@du.edu

<https://science.du.edu/mathematics>

Associate Chair for Graduate Studies:

Mei Yin

Mei.Yin@du.edu

Department Chair:

Petr Vojtěchovský

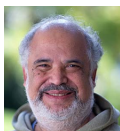
Petr.Vojtechovsky@du.edu

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

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 Schaeffer 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

Calum Buchanan
Combinatorics, graph theory

Jennifer Jones
Topological and symbolic dynamical systems & ergodic theory

John McHugh
Modular representations of finite groups

Chase Meadors
Algebraic logic and categorical logic



WHERE ARE THEY NOW?

Recent PhD Graduates

Evans Hedges
AI Data Scientist, Lemonade

Vladimir Kovalchuk
Postdoctoral Fellowship, FAU Erlangen-Nürnberg

Isis Gallardo
Lecturer, University of Colorado-Boulder

Ryan DeMuse
Programmer Writer, Epic Games

Mariah Barnes
Teaching Assistant Professor, Baylor University

Lauren Nelsen
Asst. Teaching Prof, University of Colorado-Cororado Springs

Recent Postdoctoral Scholars

Charlotte Aten
Postdoctoral Scholar, University of Colorado-Boulder

Florencia Orosz Hunziker
Assistant Professor, University of Colorado-Boulder

Scott Schmieding
Assistant Professor, Penn State University

Seung Yeop Yang
Assistant Professor, Kyungpook National University

