

Mathematics

MASTER OF SCIENCE



Students develop a background in advanced mathematics with optional concentrations in applied mathematics or statistics.



TEXAS  STATE[®]
THE GRADUATE COLLEGE

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Why choose Texas State?

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians, statisticians and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied mathematics, and mathematics education, preparing students for further graduate study, teaching, or industry positions.

The M.S. in mathematics prepares students with the applied mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees, teaching careers or leadership positions in industry.

Course Work

The M.S. in mathematics consists of up to 36 hours of courses with the option of pursuing a minor and/or thesis. The course options and concentrations give students the flexibility to choose courses from a variety of topics including real analysis, topology, abstract algebra, differential equations, complex analysis, discrete mathematics, numerical analysis, mathematical statistics, regression and biostatistics. Graduates develop a well-balanced foundation in mathematics content and the ability to use mathematics in their chosen area. An active research environment supports each student's interests with a variety of weekly seminars, including colloquia by national leaders in the field.

Department Mission

The mission of the department is to advance research in mathematics and mathematics education, providing intellectual leadership that is of direct benefit to the state of Texas and beyond. By engaging students in mathematics research that directly impacts the classroom experience, students learn to think critically, communicate mathematical concepts effectively and become lifelong learners. The goals of the master's program are to:

- » develop a strong foundation in mathematics
- » prepare future leaders in mathematics, statistics or mathematics education
- » produce innovative thinkers and problem solvers who can contribute to the needs of the state in science, technology, engineering and mathematics (STEM)

Concentrations Offered

- » Applied Mathematics
- » Statistics



math.txstate.edu

Faculty

The Department of Mathematics has over 75 full-time faculty members with diverse areas of interest and training. Faculty research areas include graph theory, combinatorics, algebra, analysis, computational fluids mechanics, high performance computing, the calculus of variations, numerical analysis, differential equations, non-linear functional analysis, number theory, topology and statistics. There are about 20 members with research interests in mathematics education, one of the largest and most active groups in the country.



Career Options

In addition to being well prepared for doctoral study, graduates of the M.S. program in mathematics are equipped for positions such as:

- » researchers in scientific corporations or nonprofit agencies
- » leaders in industry or state agencies
- » faculty at the community college or university level

Important Deadlines*

Admissions

Priority Fall: February 1

Fall: June 15

Priority Spring: August 15

Spring: October 15

Summer: April 15

Summer II: June 1

Applications will continue to be considered on a space-available basis after the deadline.

Funding: Scholarships, Fellowships and Assistantships

Applications must be complete by the priority deadline to be considered for certain types of funding.

How to Apply

For information regarding admission requirements and submission instructions, please visit:

gradcollege.txstate.edu/apply

*International applicants can view specific deadlines and requirements at:

gradcollege.txstate.edu/international

For the most up-to-date information on deadlines, admission requirements and funding, visit:

gradcollege.txstate.edu/programs/math

I loved earning my master's degree in mathematics at Texas State because the small class sizes allowed me to work one-on-one with professors. The program provided the opportunity for research and publication, which was the preparation I needed to begin pursuing a Ph.D. in mathematics.

– Ellen Robinson, M.S. '17

Department of Mathematics

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