

Mathematics

MASTER OF EDUCATION



Students develop an advanced background in mathematics, encountering subjects producing effective teaching at the college or secondary level.



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 and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied math, and mathematics education, preparing students for further graduate study, teaching, or industry positions.

The M.Ed. in mathematics prepares students with the mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees or teaching careers at the collegiate or secondary level.

Course Work

The M.Ed. in mathematics consists of 27 hours of mathematics courses plus a minor. There is a nine-hour mathematics core; elective courses spanning a variety of topics including statistics, discrete math, knots and surfaces, and a survey of geometries; and a culminating comprehensive exam. 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 mathematics, applied mathematics and mathematics education. This program is appropriate for students with the equivalent of an undergraduate mathematics minor.

Department Mission

The strengths of the master's programs lie in the depth and breadth of the mathematics courses and an active research environment. The mission is to develop graduates who can contribute to research as future leaders in mathematics or mathematics education, with a vision of enhancing our programs nationally for research and innovation in mathematics education. The goals are to:

- » develop a strong foundation in mathematics content
- » prepare future leaders in pure and applied mathematics 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)



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 discrete mathematics, graph theory, combinatorics, algebra, analysis, applied mathematics, bifurcation theory, 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 further graduate study, graduates of the M.Ed. program in mathematics are equipped for positions such as:

- » math instructors in community colleges or universities
- » high school math teachers for advanced courses
- » mathematics editors for textbook publishers

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, alumna
Department of Mathematics at
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