

Mathematics Education

DOCTOR OF PHILOSOPHY



Students develop a strong background in mathematics and mathematics education and engage in mathematics education research.

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 math educators work closely together. The multi-faceted program offers a strong mathematics foundation and research opportunities through Mathworks, grant activities and local school partnerships that prepare students to become leaders in mathematics education research.

Mathworks, an on-campus center for mathematics education, provides a laboratory for developing and testing new ideas, with special programs for middle and high school students, teacher training and curriculum R&D.

Course Work

Mathematics education doctoral students will complete core courses in mathematics and mathematics education. The program also requires elective courses from areas such as teaching specialized content, teaching K-12 students, mathematics technology, problem solving for secondary students, reasoning and proof. The culminating research activity is a dissertation. Graduates develop a well-balanced foundation in mathematics content, the ability to link mathematics content to pedagogy and the background needed to conduct original research in mathematics education. A rich research environment supports each doctoral student's research interests with a variety of weekly seminars, including colloquia by national leaders in mathematics and mathematics education.

Department Mission

The doctoral program's strength lies in the depth and breadth of the mathematics core courses that complement core courses in mathematics education. The mission is to develop graduates who can contribute to research as future leaders in mathematics education, with a vision of enhancing our programs nationally for research and innovation in mathematics education. The goals are:

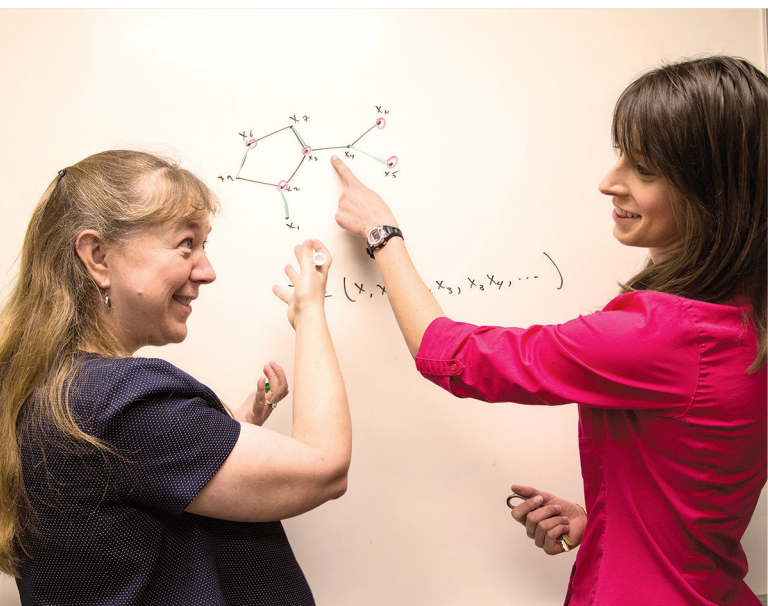
- » to develop a well-balanced foundation in mathematics content
- » to link mathematics content to pedagogy that addresses the educational needs throughout the P-20 continuum
- » to contribute to advancing knowledge in mathematics education through original research
- » to produce high-quality mathematics teachers at all levels



math.txstate.edu

Faculty

The Department of Mathematics has over 75 full-time faculty members with diverse areas of interest and training, including about 20 faculty members with research interests in mathematics education, one of the largest and most active groups in the country. Faculty research areas include mathematics instruction for English Language Learners, international comparative education, complex instruction, mathematics modeling, dynamic geometry, technology, teacher professional development, curriculum design and implementation, Mathworks outreach programs and summer math camps, classroom discourse, assessment and proof, teacher noticing, statistics education and productive struggle.



Career Options

Graduates of the program are well prepared for positions such as:

- » faculty members of colleges and universities
- » decision-makers in state or local education agencies
- » researchers in think tanks, corporations or nonprofit agencies
- » high-ranking members of foundations or organizations

Important Deadlines*

Admissions

Fall: January 10

Spring: August 10

Summer: No admission

Funding: Scholarships, Fellowships and Assistantships

For scholarship, fellowship or assistantship information, review our web page: gradcollege.txstate.edu/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-ed-phd

BROCHURE INFORMATION CURRENT AS OF AUGUST 2018

I am excited to begin my career as an assistant professor of mathematics at Southern New Hampshire University! My time at Texas State University has been instrumental in preparing me to dedicate my career to mathematics education.

– Christina Starkey, Ph.D. student
at Texas State University

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