Texas State’s Department of Mathematics provides an environment at the forefront of research that produces graduates who will contribute to making Texas a leader in mathematics, science and technology. Students learn to think critically, communicate mathematical concepts effectively and become lifetime learners.

Texas State University offers a doctorate in mathematics education. The program’s strength lies in the breadth of mathematics courses required to supplement courses in the teaching and learning of mathematics. The substantial number of mathematics core courses, coupled with the mathematics education specialization, increases graduates’ employment opportunities and scholarly productivity.

Current faculty research topics include mathematics for English Language Learners, mathematics modeling, dynamic geometry, summer mathematics programs for K-12 students, teacher training, curriculum design and implementation, spatial reasoning, classroom discourse, international comparative education, developmental mathematics, statistics education, complex instruction, teacher noticing and productive struggle.

The doctorate is designed for individuals whose career goals will take them into professional leadership roles in mathematics education. Graduates will be prepared for positions on the mathematics faculties of colleges and universities; as decision-makers in state or local education agencies; as researchers in think tanks, corporations or nonprofit agencies; as high-ranking staff members of foundations or organizations; or as decision-makers within a national ministry of education.

gradcollege.txstate.edu
Course Work
The doctorate in mathematics education requires 78 hours of course work. A full-time student without a master’s degree in mathematics or mathematics education may take an average of four years to finish. A student with a master’s degree in mathematics or mathematics education may take three years to finish.

Required courses include 36 hours of core courses, 24 hours of elective courses and a minimum of 18 hours of dissertation.

Students are required to take at least 18 hours within one academic year or to be full-time students for at least two consecutive semesters.

After completion of the core courses, or by the second year, each student will be required to take three written qualifying examinations: one in mathematics education and two from the following: algebra, analysis, discrete mathematics, statistics and topology.

Admission Policy
Applicants to Texas State’s doctoral program in mathematics must have the following:
• a bachelor’s or master’s degree in mathematics, mathematics education or a related field
• a GPA of 3.0 or higher on the highest degree earned
• an official Graduate Record Exam (GRE) score. See www.gradcollege.txstate.edu/mathed for details about the GRE requirement.

Each applicant must submit the following to The Graduate College:
• three letters of recommendation addressing the applicant’s professional and academic background as well as research and teaching potential
• 500-word statement of purpose of applicant’s background and professional goals. Include a rationale for pursuing a doctoral degree in mathematics education and teaching philosophy.
• the online Graduate College application through ApplyTexas
• application fee
• one official transcript from each four-year college or university attended
• official Graduate Record Exam (GRE) score
• current vita summarizing educational and professional accomplishments

Additional application requirements include:
• interview with faculty
• two years teaching experience. For more information, please visit www.gradcollege.txstate.edu/mathed.

Visit www.gradcollege.txstate.edu/apply for access to an online application, where to submit application documents and additional details. Applications are due January 10 for the fall semester and July 10 for the spring semester.

Faculty
The Department of Mathematics has 45 full-time and 20 part-time faculty members with diverse areas of interest and training. Current topics of faculty research include mathematics standards and evaluation in Central America; developmental mathematics; mathematics for English Language Learners; use of mathematical representation and language/communication in the teaching and learning of mathematics; and the use of technology in mathematics teaching.

Financial Assistance
Most doctoral students can receive financial assistance from the Department of Mathematics by working as an instructional assistant or a research assistant. Instructional assistants receive $26,780 for nine months (fall and spring semesters). Stipends for research assistants depend on the type of research grant.

The deadline for applying for teaching assistantships is January 10 for the fall semester and July 10 for the spring semester. The deadline for applying for graduate fellowships (only for new doctoral students) is February 22 for the fall.

For more information, see www.math.txstate.edu.

For more information about scholarships, financial aid and application deadlines, visit The Graduate College website at www.gradcollege.txstate.edu and click on Financing Your Graduate Education. Please note that program admission priority deadlines must be met in order to be considered for scholarships, fellowships and assistantships.

Contact
Graduate Advisor
Department of Mathematics
Texas State University
601 University Drive
San Marcos, TX 78666-4684
Phone: 512.245.3427
Fax: 512.245.3425
E-mail: mathgrad@txstate.edu