In addition to the theory of pure mathematics, mathematicians and scientists have developed a full spectrum of applied and industrial mathematics. The result has been that in recent years, there are more and more mathematical work and research opportunities in government, industry and business.

The Department of Mathematics provides an environment at the forefront of research that produces graduates highly qualified in mathematics and mathematics education who will contribute to making Texas a leader in mathematics, science and technology. Offering a rich mathematical experience where students learn to think critically, communicate mathematical concepts effectively and become lifetime learners, the department maintains a nationally known community of faculty and students in the study of mathematics, mathematics education, discrete mathematics and related disciplines.

In addition to a Ph.D. in mathematics education, the department offers two master of science degrees and two master of education degrees in mathematics. The master’s programs are designed to prepare students for doctoral research, for teaching in colleges and public schools, and to provide the mathematical background needed to pursue careers in applied mathematics, statistics, computer science, business and industry.

Texas State University is known for its learner-centered environment, offering students the advantages of both a small college and a large, multifaceted university, one that values research and creative activity and emphasizes the central importance of teaching and learning.
Course Work
The Department of Mathematics offers these master’s degrees:
• master of science with a major in mathematics
• master of science with a major in applied mathematics
• master of education with a major in mathematics
• master of education with a major in middle school mathematics teaching

Master of Science with a Major in Mathematics
The master of science with a major in mathematics consists of 24 semester hours plus a thesis or a minimum of 36 hours without a thesis. Non-thesis master of science students who select the minor option will take at least 27 hours in the major and at least nine hours in the minor.

Master of Science students may select a minor or non-minor degree. Those choosing the non-minor option may select, in consultation with the graduate advisor, all of their degree courses from the mathematics curriculum. The minor will be selected from a list of approved minors.

Master of Science with a Major in Applied Mathematics
The master of science degree with a major in applied mathematics consists of 24 hours of math plus a thesis for a total of 30 hours.

Master of Education with a Major in Mathematics
The master of education with a major in mathematics consists of 27 hours of mathematics without a thesis, plus a minimum of nine hours in the minor, selected from a list of approved minors.

Master of Education with a Major in Middle School Mathematics Teaching
The master of education with a major in middle school mathematics teaching consists of 21 hours of math for teacher education classes, a three-hour mathematics history course and 12 hours of curriculum and instruction classes.

Faculty
The Department of Mathematics faculty includes specialists in discrete mathematics, graph theory, combinatorics, algebra, mathematics education, analysis, applied mathematics, bifurcation theory, differential equations, differential geometry, non-linear functional analysis, number theory, quadratic forms and topology.

Admission Policy
All applicants must hold a baccalaureate degree in mathematics or a related field from a regionally accredited university. A minimum GPA of 2.75 on the last 60 undergraduate semester hours of letter-grade work earned before receipt of their bachelor’s (plus any previously completed graduate or professional work) is required.

Submit the following to The Graduate College:
• the online Graduate College application through ApplyTexas
• application fee
• statement of purpose
• one official transcript from each college or university attended
• official Graduate Record Exam (GRE) score – see www.gradcollege.txstate.edu/math for details regarding the GRE score.

Visit www.gradcollege.txstate.edu/apply for access to an online application and more details. The application deadline is June 15 for the fall semester, October 15 for the spring semester and April 15 for the summer semester.

Financial Assistance
Mathematics graduate students are encouraged to work as graduate instructional assistants. The stipends for these assistantships are comparable to the national norms and generally require teaching two courses per semester.

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.

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