

Mathematics MA & MS

Mathematics

The Mathematics program at Sam Houston State University is a 36 credit hour program and may be completed as a Master of Arts or a Master of Science, depending on the needs and interests of the student.

Master of Arts in Mathematics

The MA is intended primarily for secondary mathematics teachers. This non-thesis program includes a 12 hour core in Mathematics, 9 hours elective work in approved graduate Mathematics courses, a 3 hour directed reading and research course which includes a written report on the research, and a 12 hour minor in an approved field. The MA courses are currently offered in the evenings both on and off campus. During the summer, courses are offered through daytime, on campus instruction.

Master of Science in Mathematics

The MS is designed for those interested in further study in mathematics or careers in industry or business. This degree consists of a 24 hour core in Mathematics and may be completed with or without a thesis. The thesis option requires an additional 6 credit hours of thesis work and 6 hours of approved graduate Mathematics courses. The non-thesis option requires an additional 9 hours of approved graduate Mathematics courses and a 3 hour directed reading and research course, which includes a written report and an oral presentation of the research results. The MS courses are currently offered through daytime and selected evening on-campus instruction.



The Mathematics Faculty

You will benefit from the expertise of our highly qualified faculty who possess degrees from across the nation and have experience in public and private school teaching, community college and university instruction, and the private sector work. They stay active in their fields of study and are committed to student learning by providing a rich educational experience.

Research interests for our mathematics education faculty include community college and P16 initiatives, curriculum reform, preservice teacher education, problem solving, quantitative research methods, textbook analysis, understanding calculus through dynamic visualization, and the use of technology in mathematics education.

Faculty teaching in the MS program publish research in combinatorics, commutative algebra, algebraic statistics, functional analysis, algebraic geometry, topology, applied mathematics, numerical analysis, mathematical biology, and differential equations.

Who Benefits from a Master's Degree in Mathematics?

Graduates with a Master's degree in Mathematics enjoy many career opportunities including:

- Teaching mathematics in public or private schools or at the community college level
- Continuing their academic careers through a related doctoral program
- Working for private corporations and organizations involved in actuarial science, computer science, operations research, biomathematics, cryptography, accounting/finance, and the petroleum industry
- Employment by government agencies, such as national security, defense, social security, internal

Why Earn a Master's Degree in Mathematics at Sam?

The SHSU Mathematics department is home to the editorial office of the American Mathematical Monthly and hosts numerous conferences (Mathematical Association of America, CombinaTexas, Mathematics Education Research in Texas, research workshops, etc.). Our faculty members have received a number of research grants funded by national and state agencies including recent grants from NSF for research in wavelet analysis and the Texas HECB for research in algebraic geometry. The Mathematics department is also home to the Reeves Center for Mathematics Education which is dedicated to advancing the quality of school mathematics in Texas

Publish and Present Your Work

You will have the opportunity to become actively involved in research by publishing and presenting your work under the direction of world-renowned faculty. You will be encouraged to present original research at conferences nationwide and to develop articles for submission to professional journals.

Sam Houston State University

Since 1879, Sam Houston State University has touched the lives of over 93,000 graduates and helped shape the economic, social and cultural development of the state and nation. Steeped in tradition and Texas hospitality, the university offers the type of educational experience most often found at private institutions. The low student to faculty ratio allows for more individual attention, while our beautifully maintained campus and historic architecture provide a serene backdrop to high-tech facilities, equipment and amenities. Our tuition rates combined with exceptional faculty and academic programs produce one of the best educational values in Texas.



Apply Now

The sooner you apply, the sooner you will realize the benefits of enrolling in one of Sam Houston State University's Mathematics programs.

The minimum requirements to be considered are:

1. Graduate Studies Application
2. Application fee
3. Official transcript from baccalaureate degree granting institution
4. Overall undergraduate GPA of 3.0 or higher
5. Official GRE scores
6. Two letters of recommendation from the Mathematics or Statistics faculty at the applicant's undergraduate degree-granting institution

**Graduate applications online at
ApplyTexas.org**

Department of Mathematics and Statistics

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