Mathematics, MS, MMath

Department: Mathematics and Statistics Department
College: College of Science

Overview

About This Degree

The **master of mathematics** degree differs from the MS degree in that it is intended specifically for teachers at the secondary and community college levels who want to broaden their background in mathematics. Applicants come from undergraduate math education, math, or statistics programs. The MMath is also open to students who have earned a Utah Level 4 teaching certification in mathematics or its equivalent.

The **MS** degree is for students who wish to earn a master's degree in mathematics and then pursue a doctoral degree in mathematics or statistics.

The Mathematics and Statistics Department's excellent ratio of graduate students to faculty permits close personal guidance for each student. Students are able to tailor their programs of study to match their interests in specific areas of mathematics and statistics as well as interdisciplinary research.

Career Options

Students who receive the **MS** commonly go on to pursue doctoral degrees in mathematics or statistics. Graduates can also work in industrial jobs and teach at the college level.

With the **MMath** degree, students are prepared for careers in high school and middle school education as well as teaching at two- and four-year colleges.

What it takes

Admissions Requirements

While applicants are not required to have undergraduate degrees in mathematics or statistics, they must have strong backgrounds in these areas. The graduate committee will evaluate each transcript to determine if the applicant's undergraduate work in mathematics and statistics is sufficient.

Application Requirements:

- Complete the online application
- Pay the $55 application fee
- Score at or above the 40th percentile on the GRE (score of 700 out of 800 on the quantitative section)
- Have a 3.0 or higher GPA on your last 60 semester or 90 quarter credits
- Provide transcripts of all college/university credits
- Provide three contacts for letters of recommendation

International students have additional admissions requirements.

Admissions Deadlines

The department has the following application deadline:

- Fall semester - February 1

Master's Degree Plan Options

Students can receive the **MS** or the **MMath** by pursuing one of three options:

- In the **Plan A** option, students complete graduate-level coursework and must write a thesis.

- The **Plan B** option requires the production of a paper or creative work of art and is expected to reflect equivalent scholarship standards as a thesis.

Financial Assistance

A majority of students receive major financial assistance with their studies via teaching or research assistantships. All students that meet the qualifications may receive tuition awards and subsidized health insurance as well.

A variety of additional funding opportunities are available, including fellowships, scholarships, and travel support.

Program Requirements

Click here to see course requirements for the **Master of Science**.

Click here to see course requirements for the **Master of Mathematics**.

All students in the **MS** and **MMath** programs must pass a written qualifying examination. Students may take these exams before beginning formal coursework in the program but must take them at or before the end of the first full year of matriculation.

Contact

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Get Involved

Professional Organizations, Honor Societies, and Clubs

American Mathematical Society: AMS is the largest organization of research mathematicians. The society's programs and services for its members and the global mathematical community include professional programs, publications, meetings and conferences, support for young scholars programs, tools for researchers and authors, and a public awareness office that provides resources to members, students, teachers, the media, and the general public.

Mathematical Association of America: MAA is the largest professional society that focuses on mathematics accessible at the undergraduate level. Its members include university, college, and high school teachers; graduate and undergraduate students; pure and applied mathematicians; computer scientists; statisticians; and many others in academia, government, business, and industry. MAA is focused on teaching particularly at the high school and college levels.

National Council on the Teaching of Mathematics: The NCTM is the largest and most prestigious organization focused on teaching mathematics in elementary and secondary schools. It serves as a public voice of mathematics education, supporting teachers to ensure equitable mathematics learning of the highest quality for all students through vision, leadership, professional development, and research.

Journal Club: The purpose of the Journal Club is to introduce participants to mathematics and statistics education research by providing an opportunity to read, present, and discuss noteworthy papers in the field. The primary intended audiences are graduate students and faculty members interested in starting research on education topics, and needing familiarity with the education literature.

Labs, Centers, Research

Center for Integrated BioSystems: The CIB leads a progressive, interdisciplinary effort in research, core services, and education serving agriculture and life sciences. The CIB is where the first hybrid animal, a mule, was cloned, and was named one of “30 Awesome College Labs” by Popular Science magazine. The CIB has a research program with several active projects in diverse areas of life science that encompass plant, animal, and microbe functional genomics.