Mathematics/Statistics Education (Composite), BS

Department: Mathematics and Statistics Department
College: College of Science

Overview

About This Degree

The mathematics/statistics education (composite) major is designed to prepare teachers of mathematics at the middle and high school levels. USU is one of the only universities in the nation where students can be certified to teach both mathematics and statistics in one degree program, which makes them more marketable and competitive for teaching positions. USU's program has also served as a model for other universities that wish to create similar programs.

USU's math education program is recognized as the largest and the best in the state, with 100% of its graduates receiving teaching positions in school districts upon graduation. Students in the program learn much higher math than they will ever teach in middle school or high school, making them experts in their subject area. They also take methods courses where they learn how to teach the material to students and have early experience in actual classrooms, making them more familiar and comfortable with these settings before they begin their student teaching.

Career Options

Students who graduate in mathematics/statistics education (composite) are qualified to teach mathematics and statistics in middle schools or high schools.

Career Services provides counseling and information on hundreds of job and internship opportunities and even helps students apply and interview.

What it takes

Admissions Requirements

In addition to Utah State University's admissions requirements, the mathematics/statistics education (composite) program has additional requirements:

- **Freshmen:** New freshmen admitted to USU in good standing qualify for admission to this major.
- **Transfer students:** Transfer students from other institutions and students transferring from other USU majors need a 2.2 total GPA to be accepted into the program.
- **STEP Requirements:** In order to be accepted into STEP, students must go through an application process, which includes the following:
    - Complete 60 semester credits with a minimum GPA of 2.75
    - Complete certain core courses (see department for more information)
    - Complete a speech and hearing test
    - Pass the Teacher Education Writing Exam
    - Provide an unofficial copy of your transcript
    - Pass a criminal background check (this should be done one semester before submitting the application)

International students have additional admissions requirements.

Major Requirements

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

Contact

Advising

All new USU students participate in a New Student Orientation program, where they receive detailed information about major requirements, registering for classes, and other important advising information.

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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.

American Statistical Association: ASA is the largest organization of mathematicians in industry and academe. The ASA supports excellence in the development, application, and dissemination of statistical science through meetings, publications, membership services, education, accreditation, and advocacy. Its members serve in industry, government, and academia in more than 90 countries, advancing research and promoting sound statistical practice to inform public policy and improve human welfare.

Biometric Society: ENAR and WNAR (the eastern and western North American regions) is an association of statisticians working on problems in statistics with biological, agricultural, and medical applications. The society's goal is to advance biological and life science through the development of quantitative theories and the application, development, and dissemination of effective mathematical and statistical techniques.

Institute of Mathematical Statistics: IMS is an organization mainly for research statisticians working in academe. The IMS is an international professional and scholarly society devoted to the development, dissemination, and application of statistics and probability. The institute has members in all parts of the world.

Interface Foundation: This is a society working on problems at the interface between statistics and computing sciences. Its members are computational scientists, statisticians, mathematicians, and individuals from related discipline areas interested in the interface between computing science and statistics. Interests include topics such as computational statistics, statistical software, exploratory data analysis, data mining, pattern recognition, scientific visualization, and related fields.

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.

Math Club: This club enables students interested in mathematics to network and be educated in a fun, non-classroom environment. Members have the opportunity to listen to unique guest speakers who are experts in the field of mathematics and statists.

Labs, Centers, Research

With the second oldest undergraduate research program in the nation, USU offers students a wide range of opportunities to gain hands-on research experience. The Undergraduate Research and Creative Opportunities

program allows students to apply for grants and receive funding. USU's Honors Program prepares students for excellent graduate programs by helping them build relationships with professors, participate in research projects, take smaller, more intensive classes, and develop leadership skills.