Degrees Available at SIUE

- Bachelor of Arts or Bachelor of Science in Mathematical Studies, Mathematical Sciences Specialization

Why Mathematical Studies?

Often called the foundation of all sciences, mathematics deals with the science of structure, order, measurements, and relationships of objects or groups of objects. Those who like to problem-solve are ideally suited to study mathematics. The degree can lead to rewarding careers in education and finance as well as a growing array of job opportunities in technology and engineering.

Mathematical Studies at SIUE

Almost all degrees require a solid background in mathematics. Those choosing Mathematical Studies at SIUE will experience small class sizes and one-to-one mentoring, as well as close access to all mathematics faculty. Because math is a universal language, SIUE’s mathematics faculty is highly diverse, with professors from many different backgrounds and specialties. All full-time faculty members hold doctorate degrees.

A departmental Math Club offers lectures by invited guests and hosts several problem-solving competitions designed to foster enthusiasm for math. Math students at SIUE have access to more than 500 state-of-the-art PCs in over a dozen computer labs on campus. SIUE has site licenses for several popular mathematical software packages, including Mathematica, MATLAB, SAS, and Minitab. The University’s Lovejoy Library includes extensive collections of periodicals and books about mathematics and statistics.

Career Outlook

Mathematics plays a vital role in the effort to understand the world and the environment for a vast array of fields. The natural sciences, economics, political science, sociology, psychology and other social sciences rely on mathematics to understand, control and predict phenomena. Consequently, mathematics majors have many career opportunities open to them.

Career prospects for students with other specialties are also enhanced by courses in mathematics. With above-average salaries and high overall job satisfaction, mathematics and its various specializations have been consistently ranked among the best jobs in the United States over the past several years.

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Admission Requirements

- Complete MATH 120 and 125, or mathematics courses having these as prerequisites (or equivalent courses at another accredited institution of higher education).
- Maintain a GPA of 2.0 or higher in all university mathematics courses, and have a GPA of 2.0 or higher in all SIUE courses taken.
- Complete in high school seven semesters of university preparatory mathematics courses, including a course in trigonometry, and have no grade lower than a C in those courses.

Students who do not qualify for admission into an academic program in the department but hope to seek admission later are encouraged to obtain advice from a faculty member in the department.

Graduation Requirements

- Complete all specific program requirements.
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 124 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited 4-year institution
  - A minimum cumulative grade point average of 2.0
- File an Application for Graduation by the first day of the term in which you plan to graduate.

Contact Information

Department of Mathematics and Statistics
College of Arts and Sciences
618.650.2382

This information is concurrent with the 2012 - 2013 academic catalog. Courses are subject to change at any time.