

# Mathematics



## program

Mathematics is unique among the sciences and consists of much more than number crunching. A degree in math shows an ability to think clearly and conveys an intellectual maturity sought by many employers. The department offers two degrees: a bachelor of arts (BA) and a bachelor of science (BS). For the BA a student must write an independent study thesis and have credit for three semesters of a modern language. The BS degree requires the student to complete a set of courses in one of 16 "special interest areas."

## career opportunities

Many math majors move on to graduate school at SRU to earn a master's degree in secondary education and then start teaching in middle and high schools. Others go on to earn master's and Ph.D.'s in mathematics. We also have a thriving program in actuarial science. Other students become statisticians and operations research analysts. Almost every bureau and branch of the federal (and local) government - the Department of Health and Human Services, the General Accounting Office, the National Aeronautics and Space Administration, and the National Security Agency - employ mathematicians and statisticians. The versatility of a math degree makes the career possibilities almost endless.

## Majors and Minors

### Majors:

- Mathematics (BA)
- Mathematics (Pre-Masters of Ed.) (BA)
- Mathematics (BS)
- Mathematics (Pre-Masters of Ed.) (BS)

### Minors:

- Actuarial Studies
- Elementary School Mathematics
- Mathematics
- Middle School Mathematics
- Statistics

### Certificates:

- Elementary School Mathematics
- Middle School Mathematics
- Statistical Applications

<http://www.sru.edu>

SlipperyRock  
University  
of Pennsylvania



## student organizations

Math Club - our club is a very active organization, meeting once a month during the academic year. Meetings feature talks on various mathematics, information about careers in mathematics, and always, pizza.

Kappa Mu Epsilon - KME is a national honor society for mathematics. Started in 1931 there are chapters now at 114 schools. The SRU chapter was founded in 1999 and celebrates high achievement by students.

Visit the national Web site at:  
<http://kappamuepsilon.org/>

## experiences

There are many opportunities outside of the classroom for SRU math students. Every year students have the opportunity to travel to the annual meeting of the Allegheny Mountain Section of the MAA and the national AMS/MAA joint meeting. In addition, students have regularly gone to a conference for undergraduates held in nearby Youngstown, Ohio, and the Nebraska Conference for Women in Mathematics. Students can also find opportunities for faculty-mentored research projects, and many of our exceptional students have gone on to summer research programs around the country which are supported by the National Science Foundation. Students also have the opportunity to compete in an international mathematical modeling competition as well as other regional and national competitions. It is a great time to be at SRU!

# Mathematics



## professional student organizations

- National Council of Teachers of Mathematics (NCTM)
- American Mathematical Society (AMS)
- Mathematical Association of America (MAA)
- Association for Women in Mathematics (AWM)
- The Institute for Operations Research and the Management Sciences (INFORMS)
- Society for Industrial and Applied Mathematics (SIAM)

*“The mathematics department (faculty) was instrumental in providing a learning atmosphere conducive to my development as a student and an individual. They accomplished this by being professionals and friends, as well as professors. In addition to learning the technical concepts as a mathematics major at SRU, the most valuable tool that I’ve developed is being able to make decisions analytically with confidence, in my profession and in life.”*

*-Andrew Wozniak, B.S. Math*

## internships

- Erie Insurance Group
- Highmark
- John S. Agatston Actuarial Services
- National Council on Compensation Insurance
- National Science Foundation REU's
- Smith Barney

## scholarships

Several scholarships and other financial awards are available annually to incoming and current math majors at SRU. Scholarships include the Anthony V. Pagano Scholarship (for freshmen), the Janice Sharek Hogue Memorial Scholarship (for future high school teachers), and the David Czapor Memorial Scholarship (for future middle school teachers). Awards include the Outstanding Sophomore, Junior, and Senior Mathematics Major Awards and the Mathematics Service Award.



## Contact Info:

### Admissions Office

146 North Hall Welcome Center  
Slippery Rock University  
Slippery Rock, PA 16057  
Phone: 724-738-2015  
E-mail: [admissions@sru.edu](mailto:admissions@sru.edu)  
Campus Tours: 1-800-929-4778  
Web: [www.sru.edu/undergraduateadmissions](http://www.sru.edu/undergraduateadmissions)

### Department Contact

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Slippery Rock University is an equal opportunity/affirmative action institution  
A member of the Pennsylvania State System of Higher Education