About the 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 a bachelor of science degree that requires the student to complete a set of courses in one of 15 special interest areas. The special interest areas allow students to tailor their degree to meet their own individual interests and career goals by providing concentrated experience in an interdisciplinary field such as actuarial sciences, secondary education, statistics, economics, finance, physics, etc.

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 or high school. Others go on to earn master’s and Ph.D.s in mathematics and statistics. We also have a thriving program in actuarial science boasting a pass rate on actuarial exams that is almost twice the international average. 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.

Student Organizations

- Math Club – the SRU 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.
- Actuarial Club holds monthly meetings to discuss the actuarial profession, exam prep strategies, resume writing and preparing for internships and job interviews.
- Kappa Mu Epsilon is a national honor society for mathematics. Started in 1931, there are now chapters at 114 schools. The SRU chapter was founded in 1999 and celebrates high achievement by students. Visit the national website at www.kappamuepsilon.org.
- Dead Poets Society - is an informal group that gets together weekly to work on short, unusual, math problems and practice explaining their solutions to each other - usually over pizza
- National Council of Teachers of Mathematics
- American Mathematical Society
- Mathematical Association of America
- Association for Women in Mathematics
- The Institute for Operations Research and the Management Sciences
- Society for Industrial and Applied Mathematics

Majors/Concentrations

- Mathematics (BS)
- Actuarial Studies
- Biology
- Chemistry
- Computer Science
- Economics
- Environmental Geoscience
- Finance
- Graduate School
- Pre Masters in Education
- Pre MBA
- Philosophy
- Psychology
- Public Health
- Statistics
- (optional) Bioinformatics

Minors

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

Graduate

- Data Analytics (MS)
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 Mathematical Association of America in April and the national American Mathematical Society/MAA joint meeting, which occurs in January. In addition, students have regularly gone to the Youngstown State University Pi Mu Epsilon Conference for undergraduates in nearby Youngstown, Ohio, and to 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. Our math modeling teams routinely rank within the top 3 to 15 percent in the world. It is a great time to be at SRU!

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), the David Czapor Memorial Scholarship (for future middle school teachers), the Hubert C. Voltz and Clair W. McClure Scholarships (academic achievement). Awards include the Outstanding Sophomore, Junior and Senior Mathematics Major Awards and the Mathematics Service Award. The Actuarial Awards Fund provides study materials and reimburses expenses to students who pass actuarial exams.

Internships
- Erie Insurance Group
- Highmark
- John Hopkins Armstrong Institute of Patient Safety and Quality
- John S. Agatston Actuarial Services
- National Council on Compensation Insurance
- National Science Foundation REU's
- Smith Barney
- AETNA
- Progressive

FOR MORE INFORMATION:
Admissions Office
Slippery Rock University
146 North Hall Welcome Center
201 Campus Drive
Slippery Rock, PA 16057
724.738.2015
asktherock@sru.edu
www.sru.edu/admissions

Department of Mathematics
Richard Marchand, chairperson
Slippery Rock University
200 Vincent Science Center
106 Central Loop
Slippery Rock, PA 16057
724.738.4952
richard.marchand@sru.edu
www.sru.edu/math