

MATHEMATICS AND STATISTICS

DEPARTMENT OF MATHEMATICS AND STATISTICS
COLLEGE OF ENGINEERING AND SCIENCE



WHAT CAN I DO WITH A MATHEMATICS DEGREE?

Do you enjoy solving puzzles and working with numbers? Are you looking for a degree that leads to a well-paid, in-demand career? Do you want your major to include activities that both enhance your learning and address societal problems? Do you want to share your knowledge of mathematics with a younger generation? With a degree in mathematics you can become an actuary, data scientist, financial analyst, mathematics educator, researcher, software engineer, statistician, and much more. You can also choose to continue your education with masters and doctoral degrees in many fields such as data science, statistics, mathematics education, pure/ applied mathematics, economics, finance, or business administration.

MAJORS

- Mathematics BS - Actuarial Science
- Mathematics BS - Mathematical Sciences
- Mathematics BS - Secondary Education
- Mathematics BS - Statistics

MINORS

- Actuarial Science*
- Elementary School Mathematics
- Mathematics
- Middle School Mathematics
- Secondary School Mathematics
- Statistics

GRADUATE PROGRAM

- Data Analytics (MS)

*SRU is required by the State Authorization Reciprocity Agreement and US Department of Education to notify you whether our program meets the academic licensure/certification requirements in another state. All jurisdictions have their own requirements for licensure/certification eligibility. SRU is approved to offer programs that may lead to licensure/certification in Pennsylvania. We are unable to determine our program's eligibility in states other than PA. Please review the licensing board contact resource at www.sru.edu/licensure-certification to seek guidance on the requirements of licensure in your home state or where you would like to practice professionally. Note that state requirements are subject to change at any time and without notice.

SlipperyRock
University

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MATHEMATICS AND STATISTICS AT SRU

We are a student-centered, community-engaged department that teaches you the fundamentals of theoretical and applied mathematics in an exciting and challenging environment. In our program you can develop your communication and technical skills through paid tutoring and internship opportunities, engage in research that has local, national, or international importance, and complete service projects that use mathematics to improve society. You will have opportunities to compete in local and national mathematics competitions, to work closely with professors both in and out of the classroom, and to build professional connections and friendships that will last a lifetime.

WHY CHOOSE SRU MATHEMATICS AND STATISTICS?

- 1. Personalized Degree Program:** Our program has a wide variety of minors that allow students to focus on their own interests whether that be mathematics education, statistics, actuarial science, or other interdisciplinary fields. Our students work closely with their advisers to tailor our program to the needs of the student.
- 2. Dedicated Faculty:** Our faculty are committed to the success of each and every student. This includes engaging in faculty-student research projects, helping students find internship opportunities, being accessible in and out of the classroom, and being involved with student clubs and organizations.
- 3. High Quality Internships and Research Opportunities:** We encourage our students to engage in career-building opportunities by funding their travel to major conferences, supporting their participation in national competitions, and helping them find internships for well-known companies and industries.
- 4. Student Success:** Our students go on to be successful in a wide variety of well-paying fields, with many of our students securing jobs or getting accepted into graduate programs well before finishing their senior year.
- 5. Close-Knit Community:** Our students and faculty work together to build a welcoming and supportive environment. This includes students forming study groups, professors having open-door office hours, and the department hosting various picnics, potlucks, and activities for students and professors to get to know one another outside of the classroom.

INTERNSHIP OPPORTUNITIES

SRU mathematics and statistics students have completed internships at various locations including:

- Blue Cross Blue Shield
- Buck Consulting
- Canon USA
- Department of Defense
- Department of Energy
- Mercer Consulting
- National Institutes of Health
- National Science Foundation
- Nationwide Insurance
- State Farm Insurance
- Willis Towers Watson

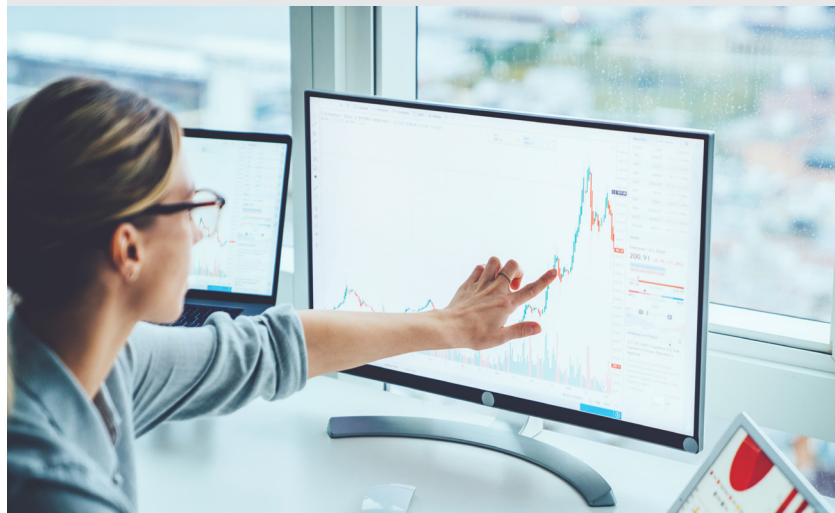
CAREER OUTCOMES

Many SRU mathematics and statistics majors go on to graduate school in mathematics, education, statistics, and related fields. Our graduates have also secured careers such as:

- Actuary, Highmark Health
- Analyst, Retirement, Willis Towers Watson
- Associate Professor of Mathematics Education, Longwood University
- High School Mathematics Teacher, Freedom Area High School
- Analyst, BNY Mellon
- Research and Development Engineer, Penn State University
- Research Scientist, Naval Department of Defense
- Senior Analyst, Customer Analytics, Giant Eagle
- Senior Decision Support Analyst, Highmark Health
- Senior Software Engineer, Enclara Pharmacia

CLUBS AND ORGANIZATIONS

- Gamma Iota Sigma - Actuarial Science Club
- Math Club
- Statistics Club
- Pre-Service Teachers of Mathematics Club
- Dead Poet's Society



ALUMNI SPOTLIGHT

Eric Nero, '21

Market Analyst, Infiltration Water Technologies

"SRU provided me with the necessary research and data manipulation skills to stand out in job interviews. It is a smaller department which means it is easier to get to know the professors and for the professors to get to know you and what your goals are."

Mark Downey, '20

Actuarial Analyst, Willis Towers Watson

"SRU really gave me the flexibility to focus on things that would set me apart from other candidates. I was able to pass five actuarial exams prior to graduation which really helped me stand out. The department prepared me to progress in my career quicker than most and getting a fast start is an absolute game changer."

Kallie Simpson, '17

Scientist at Naval SW Center, Fredericksburg, VA

"The skills I learned in the Mathematics and Statistics department at SRU stretch way beyond the bounds of the exceptional classroom instruction they offer. The opportunity to work closely with professors, do research, and present at conferences opened my eyes to career possibilities I never considered and allowed me to apply for positions as a teacher, an actuary, an analyst, a graduate student, a statistician, and ultimately a scientist for the DoD."

DEPARTMENT:

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FOR MORE INFORMATION:

www.sru.edu/majors

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