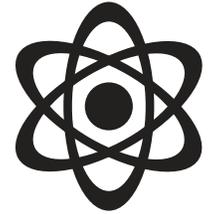


School of Mathematical Sciences



▲ MAKE A DIFFERENCE WITH MATHEMATICS

REAL WORLD APPLICATIONS CREATE ASTOUNDINGLY DIVERSE CONNECTIONS

RIT mathematicians aren't just writing abstract symbols on a whiteboard. They're helping to fight disease, understand climate change, design cities, guide the free market, and guard against terrorists.

Mathematics is at the root of many social, technical, medical, and environmental issues faced by society today. RIT's School of Mathematical Sciences equips its graduates with deep understanding of math principles, a toolbox for applying those skills to real-world problems, and the ability to express complex ideas in a way that laypeople can understand.

The School of Mathematical Sciences provides a solid collegiate math education to every RIT undergraduate but continues its offerings to include high-level specializations such as statistical forecasting, digital encryption, and mathematical modeling.

KEY POINTS

- ▶ **Hands-On Experience**
Our students have access to computing resources that can model everything from galaxies and black holes to individual organic cells.
- ▶ **Research Right Away**
You needn't wait for graduate school. RIT math and statistics majors have the opportunity to work alongside faculty mentors applying mathematics to solve problems in health care, social planning, environmental science, and other fields. Students often publish papers in professional journals and present projects at conferences throughout the U.S. and around the world.
- ▶ **On-the-Job Experience**
We give our students an opportunity to apply the knowledge and skills in their courses by working in full-time, paid positions for private, academic, or government employers. A co-op experience enables a student to overcome the challenge of needing experience before applying for a job.
- ▶ **Flexible Options**
The three math and statistics majors are flexible enough to allow you to explore the many interdisciplinary connections between numbers and other fields at RIT. BS/MS options provide a seamless path to graduate school, saving time and money. Math and statistics majors are well-suited to graduate studies in business, particularly the MBA or the MS in Computational Finance.

CONTACT

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RIT
Mathematics
and Statistics
Placements



General Manager



Integration
Consultant



BlueCross
BlueShield

Actuarial
Statistician



Mathematical
Statistician



Ph.D. in
Biostatistics



Ph.D. in
Mathematics



Ph.D. in Research
and Methodology



J.D. in Law



Co-op in
Software
Development



Co-op in Industrial
Engineering
Management



Co-op in Cyber
Security Research
Engineering



Summer
Internship

PROGRAMS

DEGREES AND OTHER OPTIONS

Bachelor of Science

APPLIED MATHEMATICS

Focuses on the study and solution of problems that can be mathematically analyzed across many different industrial fields and research disciplines.

APPLIED STATISTICS AND ACTUARIAL SCIENCE

Provides students with a strong foundation in mathematical and statistical methodology, its applications, the use of statistical computing packages, and the skills to communicate the results of statistical analysis.

COMPUTATIONAL MATHEMATICS

Prepares students for a mathematical career that incorporates extensive computer science skills.

Bachelor of Science + Master of Science

APPLIED MATHEMATICS +

APPLIED AND COMPUTATIONAL MATHEMATICS

APPLIED MATHEMATICS + MBA

APPLIED STATISTICS AND ACTUARIAL SCIENCE

+ APPLIED AND COMPUTATIONAL MATHEMATICS

APPLIED STATISTICS AND ACTUARIAL SCIENCE

+ APPLIED STATISTICS

COMPUTATIONAL MATHEMATICS

+ APPLIED AND COMPUTATIONAL MATHEMATICS

COMPUTATIONAL MATHEMATICS + COMPUTER SCIENCE

Accelerated programs that allow students to complete a BS and an MS with one additional year of graduate study.

Minors

MATHEMATICS

STATISTICS

A supplement to a major course of study to allow students to broaden their educational experience and diversify their skills.

Immersion

APPLIED STATISTICS

MATHEMATICS

Provides students with a general understanding of the subject through a three-course sequence. Requires project-based calculus.

SPECIAL FEATURES

Research Experience for Undergraduates

The school participates in a National Science Foundation program that brings undergraduate students to RIT for each summer to work on a faculty-directed research project. RIT students often travel to other universities for this experience, allowing them to build professional connections.

pi RIT

The pi RIT club meets weekly to foster an understanding of mathematics beyond the classroom. The group plans large-scale projects for the annual Imagine RIT festival and celebrates pi Day every March 14 with (what else?) pie.

Scholarships

The school offers a number of scholarships to first year and ongoing students based merit, need, heritage, and geography.

Summer Programs

The school offers three summer programs. The SMASH Experience demonstrates the usefulness of math to middle-school girls. The Summer Mathematics Institute Teacher's Workshop presents applied mathematics concepts to high school teachers. The Summer Math Workshop gives advanced high school math students exposure to college-level concepts.

Tutoring

Algebra, trigonometry and calculus students have access to drop-in tutoring services in the Bates Study Center.

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