YOUR CAREER IN SCIENCE OR MATH BEGINS ON YOUR VERY FIRST DAY

AT RIT, YOU LEARN THROUGH DISCOVERY ALONGSIDE FACULTY IN THE LAB AND IN THE FIELD

At RIT, science and mathematics are not just subjects to memorize for an exam. They are a critical way of thinking and exploring the universe. That’s why we firmly ground our students in the fundamentals, then maximize their options with majors and minors that weave several traditional disciplines together.

Many students work with faculty mentors to conduct original, open-ended research, publish papers—and present findings at professional conferences. Others broaden their horizons through study abroad or on-the-job experiences through our cooperative education programs.

Employers and graduate schools know the RIT College of Science by its reputation. After graduation, nine out of ten of our students find work or enter an advanced degree program within six months.

KEY FEATURES

- **Interdisciplinary Approach**
  Explore and blend traditional studies for a customizable academic program. Consider programs like imaging science or bioinformatics that are true hybrids of many disciplines.

- **Collaborative environment**
  Work in teams with fellow students and benefit from one-on-one guidance from faculty and staff advisers.

- **Technical Foundation**
  RIT’s undergraduate curriculum helps students develop a high degree of technical competency through hands-on courses and independent laboratory research.

- **Superior Prospects**
  Nine out of ten students in RIT’s undergraduate programs in science and math find work or graduate school placement within six months of graduation.

- **Global Reach**
  RIT is home to a diverse student population with more than 1,900 international students from 101 countries—more than 10 percent of the total student population. These students are supported by active student clubs such as the Global Union, cultural events, and the Center for Religious Life serving all of the world’s major faiths.

- **Financial Aid**
  Scholarships and work programs are available. Students should inquire with the financial aid office and with their individual academic programs.
DEGREE PROGRAMS

BACHELOR OF SCIENCE

School of Chemistry and Materials Science
BIOCHEMISTRY
Combines the life and health sciences with a chemistry degree.

CHEMISTRY
Prepares students for professional work in industry, processing and laboratory operations, research and experimental work, supervision of technical projects, and managerial positions.

Chester F. Carlson Center for Imaging Science
IMAGING SCIENCE
A multidisciplinary major based on physics, mathematics, computer science, and systems engineering.

Thomas H. Gosnell School of Life Sciences
BIOINFORMATICS
In laboratory exercises and assignments, students learn to sequence DNA and use computer programs to analyze DNA sequences and predict molecular models.

BIOLOGY
Emphasizes hands-on laboratory work and field experiences as they are done by career biologists.

BIOTECHNOLOGY AND MOLECULAR BIOSCIENCE
Prepares students for work or advanced study in the field of biotechnology, the use of living systems to develop or make useful products that are beneficial to animals—particularly humans.

ENVIRONMENTAL SCIENCE
An interdisciplinary degree with a strong foundation in biology, mathematics, chemistry, physics, and geographic information systems.

School of Mathematical Sciences
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.

School of Physics and Astronomy
PHYSICS
Includes the basic principles governing the structure and behavior of matter, the generation and transfer of energy, and the interaction of matter and energy.

MINORS AND IMMERSIONS
Explore fields related to your interests through flexible minor and immersion courses.

Programs offered in applied statistics, astronomy, cellular and molecular biology, chemistry, ecology and evolution, environmental modeling, environmental science, imaging science, mathematics, optical science, and physics.

BS / MS OPTION
Earn a bachelor’s and master’s degree in as little as one additional year.

Programs offered in applied mathematics, applied statistics, bioinformatics, computational mathematics, computer science, chemistry, environmental science, physics, and materials science + engineering.

EXPLORE EVERY MAJOR
Science Exploration presents all the College of Science has to offer.

This program for freshmen exposes you to courses in several majors and allows you to work as a team on a multidisciplinary project. You can choose the Science Exploration option and not lose time toward graduation.

LEARN BY DOING
Research, travel, and work experiences extend your development beyond the classroom.

You can work alongside faculty mentors in the lab to publish papers and present research at conferences. Study abroad opportunities open up the world to you. Industry partnerships lead to cooperative education positions that give you professional experience before graduation.