RIT COLLEGE OF SCIENCE

Learn By Doing

THINK OUTSIDE THE CLASSROOM

RIT SCIENCE AND MATH MAJORS GO BEYOND THE CLASSROOM FOR AUTHENTIC, REAL WORLD RESEARCH AND INTERNATIONAL TRAVEL

Science and math are more than just facts to be memorized, they are a framework for better understanding the world and society. At RIT, the College of Science supports many kinds of hands-on learning experiences to give you early professional experiences that lead to opportunities down the road.

See the student in the sunglasses up there? That’s Ruth Rustowicz, an imaging science major who won a Fulbright Fellowship to conduct surveys of a volcano in Iceland. We’ve also had students, working with faculty in their labs, co-author papers and present their findings at professional conferences around the world. Our students take short-term “co-op” positions at major corporations and government research labs. They also help support innovative teaching through our Learning Assistant Program.

KEY BENEFITS

- **Learning that sticks**
  Rote learning only gets you so far. The best way to learn science and math is through practice and discovery. Employers praise the technical skill of our graduates.

- **Work with professional gear**
  The RIT College of Science gives you hands-on access to the same tools used by its faculty researchers. You’ll gain experience with powerful microscopes, new kinds of detectors, and specialized laboratories.

- **One-on-one mentorship**
  If you choose to participate in undergraduate research, you will get to know faculty members as fellow team members as well as teachers. These professional relationships last a lifetime and lead to further connections.

- **Explore the discipline through participation**
  From the start of your university career, you are treated like a professional scientist or mathematician. This means conducting, publishing and presenting peer-reviewed research.

- **See the world**
  You may travel abroad for short research trips with your faculty mentors and attend international conferences. Both the College of Science and the RIT international studies office support more intensive study abroad experiences.

- **Forge connections**
  Whether you work in a faculty lab, engage in a Research Experience for Undergraduates, or work in a cooperative education position, you’ll be helping potential future employers and graduate schools learn more about your skills and capabilities.
TYPES OF EXPERIENCES

Freshmen Experiences
Science Exploration and the imaging Science major both begin with a two-semester team-based course centered around an original research project.

Senior Projects
Imaging Science, Physics, and Environmental Science require a senior-year research project that synthesizes concepts learned in class and through independent work.

Research Labs
Join a small team in a faculty lab to work on an open-ended professional research projects. Many students co-author papers with their mentors and present findings at conferences.

Research Experiences for Undergraduates
RIT participates in a National Science Foundation program that allows you to apply to a summer research project here or at other universities. It’s a way to preview potential graduate schools.

Cooperative Education
RIT has one of the most active on-the-job experience programs in the nation. It’s required in bioinformatics, and other science and math majors opt for coop to earn money, gain experience, and make connections.

Study Abroad
The College of Science hosts an annual trip to the Galápagos Islands. Many students also travel with faculty on research projects and overseas conferences. The RIT Office for International Education can match you with dozens of other opportunities.

LEARN MORE
rit.edu/science/difference