Distinct Advantages

THE PROOF IS IN THE GRADUATE

EMPLOYERS AND GRADUATE SCHOOLS WILL KNOW YOU’RE WELL PREPARED AND READY TO GET TO WORK.

As a science or math student, we treat you like a professional and expect professional results. As a freshman, you begin with authentic laboratory experiences that allow you to practice science, rather than just study it. Soon, you may find yourself working with faculty to publish research, present findings at conferences, or file patents. Our students travel throughout the US and the world to connect with other scientists and mathematicians. Many choose co-op or research exchanges with leading industrial labs and universities. Upon graduation, you’re nearly certain to find a job in your field or go right into graduate school.

OPPORTUNITIES THAT ADD UP

Solid Fundamentals
You’ll be grounded in the principles and techniques of your discipline and have ample opportunities to explore connections between many fields of science and math.

Research Experience
Our faculty work with undergraduates on open-ended research projects that may lead to publication and professional connections.

Multidisciplinary Background
Our degree programs blur the lines between traditional disciplines allowing you to combine your interests in dozens of different ways. Some of our degree programs—like imaging science, bioinformatics, or computational mathematics—are hybrids of many different fields.

Cooperative Education
You may choose to apply for placement in an on-the-job position with a commercial or government research lab that can lead to permanent placement after graduation.

Study Abroad
RIT offers dozens of ways to experience the international breadth of history, fieldwork, and lab research.

BS/MS Option
The RIT College of Science offers ten programs that combine undergraduate and graduate courses to allow students to earn both a BS and an MS in as little as five years.

LEARN MORE
rit.edu/science/about
rit.edu/admissions
rit.edu/programs
JOB PROSPECTS

School of Chemistry and Materials Science

BIOCHEMISTRY

TYPICAL JOBS: biochemist, research and development scientist, quality control specialist, analytical chemist, organic chemist, inorganic chemist, physical chemist, medical chemist, and lab technician.

SELECTED EMPLOYERS: Merck & Co., Genencor, Syngenta, Ortho-Clinical, University of Rochester – Med. Ctr (Pharmacology), Rural/Metro Medical Services, UCB, Inc., National Renewable Energy Lab, and LMI.

CHEMISTRY

TYPICAL JOBS: research and development scientist, quality control specialist, analytical chemist, organic chemist, inorganic chemist, physical chemist, medical chemist, materials scientist, and lab technician.


CHESTER F. CARLSON CENTER FOR IMAGING SCIENCE

IMAGING SCIENCE

TYPICAL JOBS: imaging system design/development, testing, electo-optical imaging, image processing and analysis, imaging research and development, color and tone calibration and reproduction, optics, defense and intelligence research, environmental research, astronomy, medical diagnostics research and applications, and electronic imaging.


THOMAS H. GOSNELL SCHOOL OF LIFE SCIENCES

BIOINFORMATICS

TYPICAL JOBS: computational biologist, gene analyst, bioinformatics software developer, research assistant/associate, biologics database programmer/administrator, computer analyst/programmer, and molecular modeling assistant

SELECTED EMPLOYERS: Ortho Clinical Diagnostics, Pfizer, Harvard School of Dental Medicine, Anthony IT, Bristol-Myers Squibb, Life Technologies, Applied Biosystems, SLinx Enterprises, Children’s Hospital (Cambridge MA), Baylor College of Medicine, Broad Institute (at MIT), 454 Life Science, McNeil Consumer Products, The Institute for Genomic Research, Boyce Thompson Institute for Plant Research, FM Global, UCB, Inc., US Food & Drug Administration, University of Rochester Medical Center, and US Dept. of Agriculture.

BIOLOGY

TYPICAL JOBS: research assistant, laboratory technician, clinical lab technologist, biologist, pharmaceutical sales representative, technical writer, and process development.

SELECTED EMPLOYERS: University of Washington, Wetlands Institute, New York Blood Center, University of Rhode Island, Ortho-Clinical Diagnostics, National Center for Deaf-Health Research, Henrietta Animal Hospital, NOAACorps, Medimmune, WVR Scientific, Lonza Biologics, NH Pharmaceutical, Seneca Park Zoo, Genencor, App Tec, University of Rochester Medical Center.

BIOTECHNOLOGY AND MOLECULAR BIOSCIENCE

TYPICAL JOBS: biomedical research, human genetics counseling, agriculture, food products, pharmaceuticals and vaccine development, environment and energy, and forensic science.

SELECTED EMPLOYERS: Sanofi Pasteur, Ortho-Clinical Diagnostics, Glaxo Smithkline, University of Rochester, iCardiac Technologies, Roswell Park Cancer Institute, WVR International, Life Science Inc, Bristol-Meyers Squibb, The Jackson Lab, VinCinex, Johns Hopkins University, Yale University, Sigma Aldrich, Life Technologies, and Merck.

ENVIRONMENTAL SCIENCE

TYPICAL JOBS: environmental scientist, conservation scientist, forester/preserve superintendent, atmospheric scientist, field technician, compliance manager, consultant, equipment salesperson, GIS specialist, and lobbyist.


School of Mathematical Sciences

APPLIED MATHEMATICS

TYPICAL JOBS: mathematician, economist, analyst (e.g. operations research), physicist, cryptanalyst (codes), actuary, market researcher, and financial advisor.


APPLIED STATISTICS AND ACTUARIAL SCIENCE

TYPICAL JOBS: actuary, operations research analyst, financial analyst, market research specialist, data analyst (e.g. biological, clinical trial), quality assurance engineer/analyst, biostatistician, underwriter, and statistician.


COMPUTATIONAL MATHEMATICS

TYPICAL JOBS: software engineer, computer scientist, analyst (e.g. operations research), cryptanalyst (codes), actuary, market researcher, financial advisor


School of Physics and Astronomy

PHYSICS

TYPICAL JOBS: physicist, laboratory technician, research assistant, scientific software developer, data analyst, optical engineer, instrumentation engineer, aerospace scientist, materials scientist, technical consultant, high-school teacher, astronomer/astrophysicist, health/medical physicist, and policy analyst.