Biology has been undergoing revolutionary changes in recent decades. Many problems once handled only descriptively are now analyzed at the molecular level using powerful combinations of biochemical, biophysical, genetic, molecular, structural, and computational tools. Rensselaer’s graduate programs tackle new basic research paradigms, applied biomedical research, as well as challenges for environmental resilience.

**School of Science**

**Quick Facts**

**LOCATION**
The 275-acre Rensselaer campus is located on a hill in a beautiful park-like setting, with a striking combination of traditional ivy-covered buildings and modern facilities. The campus overlooks historic downtown Troy, New York, which is located on the upper Hudson River.

**RESEARCH HIGHLIGHTS**
- 9 affiliated research centers
- 3 research constellations

**FACULTY**
- 105 faculty members
- 2 members of the National Academies
- 17 NSF CAREER Awards among current faculty
- NIH MERIT Award

**DEGREES OFFERED**
- **Biology** B.S., M.S., Ph.D.
- **Biochemistry and Biophysics** B.S., M.S., Ph.D.
- **Bioinformatics and Molecular Biology** B.S., M.S., Ph.D.

In the last four years the department has awarded 320 B.S., 22 M.S., and 27 Ph.D., degrees.

**MAJOR AREAS OF GRADUATE RESEARCH**
- Biochemistry and Bioenergetics
- Bioinformatics and Computational Biology
- Biophysics and Structural Biology
- Biotechnology
- Cancer Biology
- Cell, Molecular, and Developmental Biology
- Ecological & Environmental Sciences of the Adirondack lakes & Hudson River
- Environmental Sciences
- Microbiology
- Molecular Mechanisms of Aging
- Nanobiology & Nanotechnology
- Neuroscience
- Stem Cell Biology
- Synthetic Biology

**THE JEFFERSON PROJECT AT LAKE GEORGE**
Rensselaer, IBM, and the FUND for Lake George recently launched “The Jefferson Project at Lake George,” a multimillion-dollar collaboration with the goal of understanding complex factors threatening one of the world’s most pristine natural ecosystems. The world-class scientific and technology facility at Lake George aims to create a new model for predictive preservation and remediation of critical natural systems.

**AFFILIATED RESEARCH CENTERS**
- Rensselaer Institute for Data Exploration and Applications (IDEA)
- Center for Biotechnology and Interdisciplinary Studies (CBIS)
- Darrin Fresh Water Institute (DFWI)
To apply, learn more at www.rpi.edu/dept/admissions/graduate/