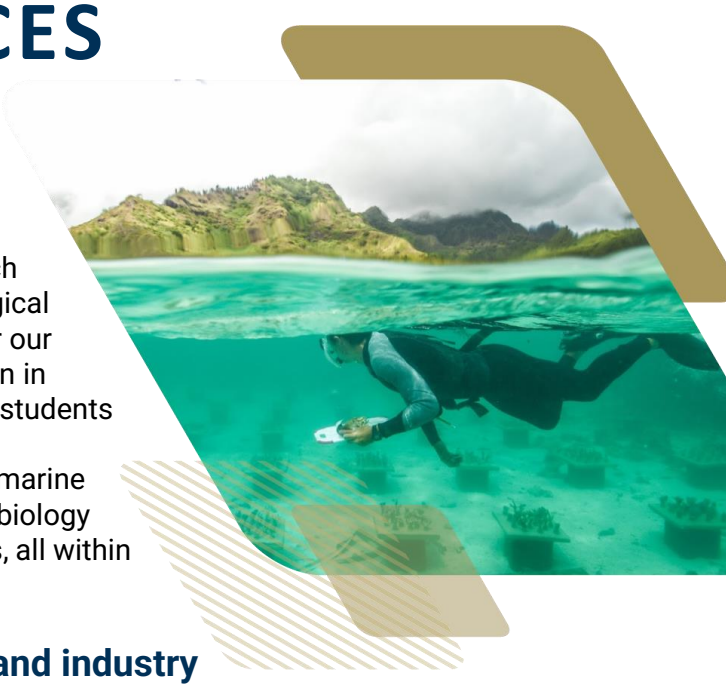
UNDERGRADUATE STUDIES IN

BIOLOGICAL SCIENCES



Revolutionary developments in biology are creating new approaches to solving biomedical and environmental problems. The School of Biological Sciences at Georgia Tech conducts exceptional research at the leading edge of biological sciences and provides high-quality, innovative education for our undergraduates. Our curriculum provides a broad foundation in modern biological sciences while offering opportunities for students to develop focused studies in biomedicine, biotechnology, bioinformatics, bio-inspired design, environmental science, marine science, physiology, and more. Students can combine their biology degree with a master's program in biology or bioinformatics, all within 5 years, in one of our 4 + 1 programs.

Building the foundation for academia, health, and industry

Our graduates have core content knowledge in genetics, ecology, evolution, and cell and molecular Biology, as well as quantitative training to address biological problems from a mathematical and statistical perspective. Our degree program includes core science knowledge including calculus, physics, chemistry, and computer science. The biology program is designed to achieve learning goals for our students that provide quantitative and analytical skills, independent research skills in state-of-the-art laboratory science, experience working on collaborative teams, critical thinking using scientific methodology, and excellent oral and written communication skills.

Biology graduates go on to a multitude of successful career options, including medical school or other health-related professional programs such as dentistry or pharmacy; graduate school in the biological sciences including master's and Ph.D. programs; and careers in teaching, government, or industry in areas such as biomedical research, environmental testing and consulting, pharmaceuticals, and zoology.

Creating community

Every student engages in an independent research project mentored by one or more of our 60 faculty. The school is also home to a chapter of Beta Beta Beta National Biology Honor Society, an award-winning chapter of the American Medical Students Association, and Junior STEM, an organization dedicated to the support of under-represented students in the science and engineering fields.

FOR MORE INFORMATION

For more information, please see **biosci.gatech.edu**, or contact the school's undergraduate academic advisors at **advising@biosci.gatech.edu**.

Undergraduate research

Undergraduates working in world-renowned research groups in the school have contributed to research presented at national and international conferences and published in leading scholarly journals. Research in the School of Biological Sciences explores the following areas:

- Molecular and cell biology
- Computational biology and systems biology
- Ecology, evolution, and behavior
- Applied physiology

Internship opportunities

Internship opportunities exclusive to Georgia Tech biology majors exist with the Centers for Disease Control, Zoo Atlanta, the Georgia Aquarium, Georgia Tech Research Institute, Georgia Tech Environmental Health and Safety, and biotech companies, government agencies, and other local, national, and international organizations.

International opportunities

Biology majors have a wide range of opportunities for undergraduate study at institutions throughout the world. Further information can be obtained from the Office of International Education (**oie.gatech.edu**). Each year, a number of our majors participate in Georgia Tech-led biology programs in Australia/New Zealand; Lyon, France; and Valencia, Spain as well as exchange programs around the globe.

Careers

The B.S. program in Biology provides exceptional levels of preparation for admission to graduate study, medical school, and other professional graduate programs (e.g., veterinary science, pharmacy, law, etc.) as well as careers in industry and other avenues. Biology graduates take positions in all types of employment sectors, such as:

- Healthcare
- Forensics
- Zoology
- Marine biology
- Genetics
- Sales and marketing
- Clinical laboratories
- Biotechnology
- Ecology
- Research and development
- Cancer biology
- Teaching and education
- Molecular biology
- State and federal agencies (e.g., NIG, CDC, EPA)

Georgia Tech has the largest voluntary **co-op education program** in the nation. Participation in co-op or internship programs provides financial support for your studies and invaluable experiences. See **career.gatech.edu**.

- Georgia Tech is nationally recognized as a top-value college due to its academics, affordability, and career outcomes [1].

[1] https://finaid.gatech.edu/costs/return-on-investment