BACHELOR OF SCIENCE IN BIOCHEMISTRY

The Bachelor of Science in Biochemistry degree program includes a combination of requirements and electives that ensure a strong foundation in the chemical and biological sciences, while providing the flexibility to tailor the curriculum to satisfy specific interests or career goals. This program may be of interest to students who aspire to careers in research, teaching, or in a life/health science profession (medicine, pharmacy, dentistry). The judicious use of free electives also enables the student to achieve considerable knowledge of other disciplines at Georgia Tech, such as chemical and biomolecular engineering, bioinformatics (computing), biomedical engineering, and biology. The biochemistry curriculum enables majors who are interested in medical, dental, or law school to meet admission requirements of these schools.

International Plan

The Bachelor of Science in Chemistry (International Plan) and Bachelor of Science in Biochemistry (International Plan) are offered to undergraduate students seeking to understand their majors in a global perspective. Students in this program must demonstrate proficiency in a foreign language; complete coursework in a country/regional elective, international relations, and global economics; and participate in a study or research abroad experience (usually in the junior year). If a student is pursuing a research abroad experience, they are required to complete a supervised research experience with a faculty member in chemistry or biochemistry at the host institution. Upon successful completion of degree requirements for the International Plan, a "International Plan" designator is indicated on the diploma. If interested in participating in the International Plan as part of the Bachelor of Science in Chemistry or Bachelor of Science in Biochemistry, students should visit: www.internationalplan.gatech.edu.

Research Option

The Bachelor of Science in Chemistry (Research Option) and Bachelor of Science in Biochemistry (Research Option) are offered for students who wish to participate in a research project under the supervision of a faculty, or adjunct faculty, member in the School. Participants in the Research Option learn how to address a research problem from experiment design and execution to interpretation of results. There is an expectation that undergraduates who make intellectually significant contributions to completed studies will be co-authors on submissions to high-quality scholarly journals. Research projects are available in the traditional areas of chemistry (analytical, biological, inorganic, organic, and physical chemistry) as well as highly interdisciplinary research areas, such as nanoscience, polymer and materials chemistry, environmental chemistry and sensors, medicinal chemistry, molecular biophysics, and computational chemistry.