The biotechnology field is far-reaching and ripe with opportunity. Built on a solid foundation of biology and chemistry, this innovative bachelor’s degree program combines the study of applied molecular and cellular biology. Students will master a broad range of lab skills applicable to biology and biotechnology, including applied research skills at an advanced level that will prepare them for a career or graduate studies. Southern’s biotech program offers in-demand courses such as bioinformatics and genomics. The degree also is an excellent choice for pre-med students.

PROGRAM FEATURES
Students generate hypotheses, design approaches to test them, and interpret the data from those tests to reach valid conclusions. Additionally, students develop oral and written communication skills relevant to professional positions in the biotechnology workforce. The program includes a number of course-embedded authentic research experiences, and research experience for undergraduates (REU’s) in regional biotechnology companies is competitively available.

This program requires more chemistry and math than the B.S. and B.A. biology programs. Beyond the first year, the required biology courses are all molecular and cellular biology focused. Students have a required research internship experience. Biotech students participate in a required internship at a local company such as Alexion, Isoplexis, Quantum BioPower, The Jackson Laboratory, Synovel Laboratory, Archillion, and more.

For more information on program requirements, visit Catalog.SouthernCT.edu/undergraduate

CAREER OPPORTUNITIES
Upon graduation, students are equipped to pursue a career as a research associate in biotechnology or biopharma or to launch a career in life sciences. Possible careers include research scientist, beer and winemaker, pharmacologist, biostatistician, biotechnologist, forensic scientist, dentist, grant writer, marine biologist, patent attorney, high school teacher, museum curator, pharmacist, science policy expert, science writer/editor, veterinarian, zookeeper, and many more.

Some biotechnology B.S. graduates may enroll in graduate programs (M.S. or Ph.D.) in biotechnology or related fields such as molecular biology, microbiology, genetics, and biochemistry. They may also pursue advanced professional degrees such as M.D. (medicine), M.B.A. (business), or J.D. (law), with an emphasis on biotechnology issues.

FOR MORE INFORMATION
Undergraduate Admissions Office
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Admissions@SouthernCT.edu
SouthernCT.edu/admissions/undergraduate

Biotechnology | Bachelor of Science

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