



NEW YORK CITY COLLEGE OF TECHNOLOGY

Chemistry Department
Academic Building A 516

Who We Are

The associate degree program in Chemical Technology promotes an understanding of modern theory, applications and issues in chemistry; development of laboratory techniques and analytical skills; and enhanced communication skills with a focus on scientific writing. City Tech's AS curriculum includes classroom and laboratory course work in general and organic chemistry; the curriculum also requires courses in calculus, calculus-based general physics I and II, two elective courses in science or mathematics and all Pathways general education required courses. The AS in Chemical Technology provides graduates with the foundations for a bachelor's degree or higher in disciplines such as chemistry, biochemistry, chemical engineering, education, applied mathematics and other related sciences. These programs may lead to admission to medical and dental schools, for highly qualified applicants. The AS in Chemical Technology also provides the preparation needed for transfer to professional schools in the health sciences in areas such as medical technology, pharmaceutical sciences and physician assistant programs. The majority of graduates pursue higher education in baccalaureate programs within the City University of New York. We recommend that all students consult with faculty advisors in the Chemistry Department for assistance with their academic programs and selection of courses, as well as in their career planning. Students interested in continuing their studies in the College of Pharmacy at SUNY Buffalo or at the Arnold & Marie Schwartz College of Pharmacy at LIU should consult with their academic advisors and consider taking Biology courses including BIO 1101, BIO 1201 and BIO 2311.

The Bachelor of Science (BS) in Applied Chemistry is unique within the City University of New York. The program adapts City Tech's Chemistry Department offerings to meet the education requirements of 21st century laboratory science careers in and around New York City. The BS complements the existing AS in Chemical Technology. It provides a seamless path for AS Chemical Technology students to continue their studies. The degree has a 2+2 structure such that the AS in Chemical Technology is the first two years of the bachelor's degree. Our curriculum is designed to provide a strong foundation in laboratory skills that will enable graduates to achieve "college-to-career" employment. This includes hands-on training in extensive laboratory course work, necessary for students to launch careers in chemical industry and in the broad range of industries that utilize analytical chemistry. While fulfilling its primary goal of excellent preparation for immediate entry into a career position, the program also prepares students for post-baccalaureate study and health profession schools because it meets all of the American Chemical Society's requirements for approval of bachelor's degree programs.



NEW YORK CITY COLLEGE OF TECHNOLOGY

Degrees Conferred

Associate Degree in Chemical Technology

Bachelor of Science in Applied Chemistry

Chair Person

Diana Samaroo, Associate Professor

Faculty and Staff

Associate Professors: Tony Nicolas, Peter Spellane, Jay Deiner, Alberto Martinez

Assistant Professors: Suresh Tewani, Ivana Jovanovic

Senior CLT: Lois Johnson

CUNY Office Assistant: Colleen O' Neill

Interesting/Important Facts

The Chemical Technology program at City Tech is one of the few in the country to be approved by the American Chemical Society's (ACS) Chemical/Environmental Laboratory Technology program Approval Service (now part of ACS Two-Year Programs), signifying to industry that it meets quality standards similar to those of the most effective chemistry-based programs in the U.S. An articulation agreement with the Chemistry Department at Hunter College facilitates transfer to their BA in Chemistry.

One of the strengths of the chemistry department is our broad range of modern instrumentation. In fact, the chemistry department at the NYC College of Technology is one of the best-equipped undergraduate chemistry programs in New York. The Chemistry department participates in various programs that support undergraduate research: Louis Stokes Alliance for Minority Participation (LS-AMP) program which provides funding for qualified minority undergraduate research assistants; Emerging Scholars Program (ESP), National Science Foundation (NSF) Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM), CUNY Research Scholar Program (CRSP) provides funded laboratory experiences for associate degree students, Collegiate Science & Technology Entry Program (CSTEP) for transfer students from underrepresented groups and Honors Scholars Program.