WHO WE ARE: CHEMISTRY

As a member of Chemistry department, you will join a group of students who are part of the School of Arts and Sciences at New York City College of Technology, City University of New York.

The Mission of the Department:

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.

The Bachelor of Science 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 prepare 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.

Students in this major can join department clubs such as Chemistry Club, Cosmetics Club and engage in other opportunities The Chemistry department participates in various programs that support undergraduate research: Louis Stokes Alliance for Minority Participation (LS-AMP, Emerging Scholars Program (ESP), National Science Foundation (NSF) Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM), CUNY Research Scholar Program (CRSP), Collegiate Science & Technology Entry Program (CSTEP) for transfer students from underrepresented groups and Honors Scholars Program. http://www.citytech.cuny.edu/research/

Faculty in the Chemistry Department have an interest in various research areas such as organic, analytical, physical or inorganic chemistry, as well as biochemistry, medicinal chemistry, and materials chemistry. For the list of faculties and their research interests please visit http://www.citytech.cuny.edu/chemistry/faculty.aspx Faculty:

Chair: Ivana Radivojevic Jovanovic

Professor: Diana Samaroo
Associate Professors: Tony Nicholas, Alberto Martinez, Jay Deiner, Peter Spelene
Assistant Professor: Suresh Tewani, Ivana Jovanovic
CLT's: Lois Johnson, Ziru Li
Office Assistant: Colleen O' Neill

Students in the Chemistry Department will be provided with important resources such as tutoring, computer labs, and chemistry labs that are equipped with the broad range of modern instrumentation. Students are often interested in acquiring the following skills and aptitudes:

a. Enjoy spending time in the laboratories, preforming experiments and talking about science
b. Gain experience using broad range of scientific equipment

Options for employment and further study

Transfer to a professional school (Medical School, PA School, Pharmacy School, Dental School…)
Graduate schools (Master or PhD)
Find a job in various areas: chemical and pharmaceutical industry, biotechnology, forensics, environmental testing, lab work in government and academic institutions.

Fun Facts

a. Graduates from our BS program continue their education to PhD Programs at Stony Brook University, SUNY, MS Programs in data science at Baruch College, as well as professional schools, NYU College of Dentistry and Touro College of Pharmacy.
b. Students enjoy very low student to professor ratio
c. The Chemistry Department is one of the best-equipped undergraduate chemistry programs in New York in terms of broad range of modern instrumentation.