



NEW YORK CITY COLLEGE OF TECHNOLOGY
OF THE CITY UNIVERSITY OF NEW YORK
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**Kingsborough Community College and New York City College of Technology
Transfer Articulation Agreement B.S. Applied Chemistry**

Agreement initiated by: New York City College of Technology, City University of New York

Sending College: Kingsborough Community College, City University of New York
Department: Physical Sciences
Program: Chemistry
Degree: Chemistry, A.S.

Receiving College: New York City College of Technology, School of Arts and Sciences, City University of New York
Department: Chemistry
Program: Chemistry
Degree: Applied Chemistry, B.S.

ADMISSION REQUIREMENTS

For admission into the Bachelor of Science in Applied Chemistry at New York City College of Technology (NYCCT, City Tech), a candidate:

- Must have a minimum 2.0 cumulative grade point average (GPA) on a 4-point scale to be reviewed for admission.
- Will be granted, upon acceptance into the B.S. in Chemistry Program at NYCCT, a total of 60 credits for the A.S. Degree in Chemistry from Kingsborough Community College (KCC).

TRANSFER CREDITS

- Courses completed at KCC that are deemed equivalent to the B.S. in Applied Chemistry required courses will be transferrable provided a minimum grade of “C” is achieved.
- A minimum of thirty (30) credits of which at least fifteen (15) credits must be in the student’s major area of study must be completed at NYCCT.

- Each transferring student is required to schedule an appointment for registration through the SMART system. At this appointment they meet with an advisor from the Center for Academic Advisement and Student Success (CAASS), who will clarify and chart initial progress toward degree completion. Subsequent to this first advisement meeting, each transfer student will be directed to the undergraduate advisor of the Chemistry department which time the student will be advised and provided with a program plan for graduation. The program plan will illustrate how to complete the B.S. in Applied Chemistry degree, with every effort made to ensure timely degree completion – usually two years of full-time study or its part-time equivalent.
- All students transferring to NYCCT are accountable for academic policy and procedure related to admission to the College, declaration of major/minor, and degree completion, as specified in the NYCCT Undergraduate Catalog at the time of entry and at the time of official declaration of major as appropriate.
- The table on the following pages indicates the courses required for completing the B.S. in Chemistry at NYCCT. In order to earn the bachelor's degree students must satisfy CUNY pathways requirements and City Tech's Writing intensive requirement, one WI course in general education and one in the major

| GENERAL EDUCATION | Course Title | KCC | City Tech | Total |
|--|--|-----------|-----------|-----------|
| Required Core | | 13 | | |
| English Composition | ENG12 | 3 | | |
| | ENG 24 | 3 | | |
| Mathematical and Quantitative Reasoning | ¹ MAT 1500 Calculus I | 3 | | |
| Life and Physical Sciences | CHM 1100 – General Chemistry I | 4 | | |
| Flexible Core | | 20 | | |
| World Cultures and Global Issues (1 course) | Selected by the student | 3 | | |
| U.S. Experience in its Diversity (1 course) | Selected by the student | 3 | | |
| Creative Expression (1 course) | Selected by the student | 3 | | |
| Individual and Society (1 course) | Selected by the student | 3 | | |
| Scientific World (1 course) | CHM 1200 – General Chemistry II | 4 | | |
| Three credits in any of the above categories | ¹ PHY 1300 – Advanced General Physics I | 4 | | |
| ²College Option (taken at NYCCT) | | 0 | 6 | 6 |
| one course in speech/oral communication | | | 3 | 3 |
| one interdisciplinary course | | | 3 | 3 |
| A.S. in Chemistry | | 27 | | 27 |
| CHM 3100 Organic Chemistry I | | 5 | | 5 |
| CHM 3200 Organic chemistry II | | 5 | | 5 |
| ¹ PHY 1400 Advanced General Physics II | | 4 | | 4 |
| ¹ MAT 1600 Calculus II | | 3 | | 3 |

| | | | |
|---|-----------|-----------|------------|
| Elective Credits in CHM, CS, EGR, EPS, MAT, PHY, or SCI | 10 | | 10 |
| B.S. Applied Chemistry | | 35 | 35 |
| A college-wide minimum of 35 credits in advanced courses in chemistry must be completed at New York City College of Technology with a grade of C or higher in each course. | | | |
| BIO 1101 Biology 1 | | 4 | 4 |
| BIO 3601 Biochemistry | | 4 | 4 |
| CHEM 3222 Physical Chemistry: Thermodynamics and Kinetics | | 4 | 4 |
| CHEM 3312 Analytical Chemistry | | 5 | 5 |
| CHEM 3412 Instrumental Methods of Analysis | | 5 | 5 |
| CHEM 3622 Inorganic Chemistry | | 4 | 4 |
| CHEM 4312 Instrumental Chromatography | | 4 | 4 |
| CHEM 4323 Advanced Laboratory Applications of Spectroscopy | | 2 | 2 |
| CHEM 4901 Internships/Research in Applied Chemistry | | 3 | 3 |
| Advanced Chemistry Electives | | 19 | 19 |
| ¹ Two elective courses in mathematics/sciences (see college catalog for list of advanced chemistry electives) | | | |
| TOTAL CREDITS | 60 | 60 | 120 |

¹Calculus-based physics are 5-credit courses and calculus sequence are 4-credit courses at CityTech. This increases the number of science credits needed to reach 120.

²Students at New York City College of Technology must complete two courses designated writing intensive for the baccalaureate level, one from liberal arts and one from the major.

Procedures for reviewing, updating, modifying or terminating this agreement:

- The Department Chairpersons from both programs will review the agreement annually. They will be expected to review student retention, progress to graduation including transitions between prerequisite and transfer courses, degree completion, and GPA. Modification or termination of this agreement requires the approval of both Chief Academic Officers from both institutions.
- Should the agreement be modified or terminated, NYCCT shall honor the terms granted to students who have already been accepted into and or transferred into the B.S. in Applied Chemistry program for a period of four years or graduation, whichever comes first.

New York City College of Technology and Kingsborough Community College will publicize this opportunity for students in print and web-based materials and in marketing information. Additionally, both institutions will provide information to their own recruitment staff members as well as staff at the University Office of Admission Services. NYCCT will attend recruiting events on-campus at Kingsborough Community College regularly.

Effective date: Fall 2020