

NEW YORK CITY COLLEGE OF TECHNOLOGY

OF THE CITY UNIVERSITY OF NEW YORK 300 JAY STREET • BROOKLYN NEW YORK 11201-2983 Chemistry Department Room P-618, Tel: (718) 260-5850

A.S. in Chemical Technology - B.A. Degree in Chemistry Articulation Agreement with Brooklyn College

A. SENDING AND RECEIVING INSTITUTIONS

Sending College: New York City College of Technology (City Tech)

Department: Chemistry Department

Program: CHEMICAL TECHNOLOGY

Degree: Associate in Science (AS)

Receiving College: Brooklyn College (BC)
Department: Chemistry Department

Program: CHEMISTRY

Degree: Bachelor of Arts (BA)

B. ADMISSION REQUIREMENTS FOR BROOKLYN COLLEGE PROGRAM

A student must have a 2.5 average or better (or departmental approval otherwise) and have completed all requirements for the AS in Chemical Technology at New York City College of Technology (City Tech).

Students who wish to transfer but do not meet all of the above requirements or are unable to enroll within two years after graduation will receive admission consideration under Brooklyn College's standard transfer credit policies.

Total transfer credit granted toward baccalaureate degree: <u>60</u>

Total additional credits required by senior college to complete baccalaureate degree: <u>60</u>

In order to satisfy the BA degree requirements, students must select the appropriate general education common core and flexible core courses to satisfy CUNY pathway requirements for the degree program.

BC and City Tech agree to offer the courses noted in the BA program in Chemistry (BC) and AS Chemical Technology program (City Tech), as described in this agreement, and as outlined in each college's course catalog. Each college agrees to notify the other if course numbers, content, or catalog descriptions change. Furthermore, the parties involved understand that any change in course number, content, or catalog description may require a modification to this agreement.

C. COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

Students transferring from City Tech with an AS in Chemical Technology shall enter the BA Program in Chemistry at Brooklyn College as juniors. The following courses, totaling 60 credits, will be transferred to Brooklyn College.

ASSOCIATE IN SCIENCE IN CHEMICAL TECHNOLOGY

COMMON CORE				
Required Common Core				
English Composition		ENG 1101 & ENG 1121	6	
Math. and Quantitative Reasoning		MAT 1475: Calculus I	4	
Life/Physical Sciences		CHEM 1110/1110L: General	4	
		Chemistry I with lab		
		Total Required Common Core	14	
Flexible Core				
World Cultures & Global Issues		any approved course	3	
US Experiences in Its Diversity		any approved course	3	
Creative Expression		any approved course	3	
Individual and Society		any approved course	3	
Scientific World		CHEM 1210/1210L: General	4	
		Chemistry II with lab		
One additional Flexible Core course		any approved course	3	
		Total Flexible Core	19	
Total Common Core			33	
PROGRAM SPECIFIC DEGREE REQUIREMENTS				
CHEM 2223/2223L	Organic Chemistry I with lab		5	
CHEM 2323/2323L	Organic Chemistry II with lab		5	
PHYS 1441/1441L	General Physics I: Calculus Based with lab		5	
PHYS 1442/14421	General Physics II: Calculus Based with lab		5	
Science Elective				
Science Elective I & II	choose from approved list		8	
Total Curriculum Requirements 2			28	
Total Program Credits				

Writing Intensive (WI) Requirement: Students at New York City College of Technology must complete two courses designated WI for the associate level, one from Gen Ed Common Core and one from the major.

TOTAL NUMBER OF CREDITS TRANSFERRED

 60^*

With completion of the Associates Degree, only 60 credits will transfer to Brooklyn College.

D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BA DEGREE

Students transferring to the BA program in Chemistry at BC from the AS program in Chemical Technology at City Tech will be required to satisfactorily complete the following courses (totaling 60 credits) at BC.

	COLLEGE OPTION REQUIREMENTS			
Two 3-credit 3000	O level CORC courses, in two different subject areas below:			
• Exploring Literature (CORC 3101-3199)				
 Exploring 	g Global Connections (CORC 3201-3299)			
 Exploring 	Science (CORC 3301-3399)			
Total College Option Requirements				
PROGRAM REQUIREMENTS				
CHEM 3415W	Analytical Chemistry	5		
CHEM 4600	Physical Chemistry for the Health Professions	3		
or CHEM 4610	OR Physical Chemistry I	or 5		
MATH 1206	Calculus II	4		
		12-14		
Total Curriculum Requirements				
ELECTIVES				
5 credits from the following options:				
CHEM 2700, 3420, 4530, 4550, 4570, 4571, 4580, 4581, 4620, 4640, 4720,				
4760, 4761, either 4780 or 4790				
To meet college residency requirements, a minimum of 15 credits in advanced				
courses in the Department of Chemistry must be completed at Brooklyn College with				
a grade of C- or better. If students complete Program Requirements and Electives				
without completing 15 credits Chemistry courses at Brooklyn College, they may				
need to take an additional advanced course (numbered 2700 or higher) to satisfy this				
requirement.				
Additional courses at Brooklyn College to meet the following criteria:				
• A total of 120 credits, with an average GPA of 2.00 or higher. These				
courses may either be taken at Brooklyn College or transferred to it.				
The last 18 credits taken toward the degree must be taken at Brooklyn				
College.				
	Total Elective Credits	40-42		
	Total Program Credits	60		

TOTAL DEGREE CREDITS TO BE TAKEN AT BROOKLYN COLLEGE

TOTAL CREDITS FOR THE BA DEGREE

120

60

E. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

1. Procedures for reviewing, updating modifying or terminating agreement:

When either of the degree programs involved in this agreement undergoes a change, the agreement will be reviewed and revised accordingly by faculty from each institution's respective departments or programs, selected by their Chairpersons and program directors.

2. Procedures for evaluating the effectiveness of this agreement and tracking the number of students who transfer from City Tech to BC under terms of this articulation agreement and their success:

Each year, Brooklyn College will provide New York City College of Technology the following information: a) the number of City Tech graduates who applied to the program; b) the number of City Tech students who were accepted into the program; c) and the number of City Tech students who enrolled; d) the aggregate GPA of these enrolled students at Brooklyn College.

3. Sending and Receiving College procedures for publicizing agreement (e.g., college catalogs, transfer advisors, websites, etc.):

• This articulation agreement will be publicized on the New York City College of Technology's website and Brooklyn College's website.

Effective Agreement Date:Fall 2015	
Dr. William A. Tramontano Provost and Senior Vice President for Academic Affairs Brooklyn College	Dr. Bonne August Provost & Vice President for Academic Affairs New York City College of Technology
Dr. Malgorzata Ciszkowska Chair, Chemistry Department Brooklyn College	Dr. Diana Samaroo Chair, Chemistry Department New York City College of Technology