

**Articulation Agreement between LaGuardia Community College
(AS in Physical Sciences: Chemistry Track) and
Brooklyn College (BS in Chemistry)**

A. SENDING AND RECEIVING INSTITUTIONS

Sending College:

LaGuardia Community College (LaGCC)
Department: Natural Sciences Department
Program: Physical Sciences: Chemistry Track
Degree: Associate in Science (AS)

Receiving College:

Brooklyn College (BC)
Department: Chemistry Department
Program: Chemistry
Degree: Bachelor of Science (BS)

Effective: Fall 2021

B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

The Chemistry Department of Brooklyn College (BC) agrees to accept into the Bachelor of Science program in Chemistry students from LaGuardia Community College (LaGCC) who successfully complete an Associate in Science in Physical Sciences: Chemistry Track and are admitted into the college. Completion of the curriculum includes the attainment of at least a 2.5 overall grade-point average.

BC and LaGCC agree to offer the courses noted in the BS program in Chemistry (BC) and and AS in Physical Sciences: Chemistry Track program at LaGuardia Community College (LaGCC), 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.

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

Total transfer credits granted toward the baccalaureate degree: 60

Total additional credits required at the senior college to complete baccalaureate degree: 60

Note: Students are guaranteed 60 credits but may transfer more into BC. Students must earn a minimum of 120 for the bachelor's with at least 30 credits of those taken at BC.

C. COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

Students transferring from LaGCC with an AS in Physical Sciences shall enter the BS Program in Chemistry at Brooklyn College as juniors. The following courses, totaling 60 credits, will be transferred to Brooklyn College as described below.

Requirement	LaGCC Course	Brooklyn College Course	Credits
Required Common Core			
English Composition I	ENG 101	ENG 1010	3
English Composition II	ENG 102 (or ENG 259)	ENG 1012	3
Mathematical and Quantitative Reasoning	MAT 115 College Algebra & Trigonometry (or MAT 117)	MATH 1006 College Algebra for Precalculus	3
Life and Physical Sciences	SCC 201 General Chemistry I	CHEM 1100 General Chemistry I	4 ¹
Flexible Common Core			
World Cultures and Global Issues	<i>Any approved course</i>		3
US Experience in its Diversity	<i>Any approved course</i>		3
Creative Expression	<i>Any approved course</i>		3
Individual and Society	<i>Any approved course</i>		3
Scientific World	SCC 202 General Chemistry II	CHEM 2100 General Chemistry II	4 ¹
Additional Flexible Core Course	MAT 200 Precalculus I	MATH 1011 Precalculus	3 ²
Common Core Subtotal			32
Requirements for the Major			
Calculus I	MAT 201	MATH 1201	4
Calculus II	MAT 202	MATH 1206	4
General Physics I	SCP 231	PHYS 1100 (or PHYS 1150)	5 ³
Organic Chemistry I	SCC 251	CHEM 3511/3512	5
Organic Chemistry II	SCC 252	CHEM 3521/3522	5
Elective I	SCP 211 Research Methods in Physical Sciences ⁴	Elective credit	3
Elective II	NSF 101 First Year Seminar for Natural Sciences ⁴	Elective credit	2
Major Requirements Subtotal			28
Total Credits for Degree/Credits Transferred			60

¹SCC 201 and SCC 202 are 4 credits at LaGCC; CHEM 1100 and CHEM 2100 are 5 credits at BC

²MAT 200 is 4 credits at LaGCC, MATH 1011 is 3 credits at BC

³SCP 231 is 4 credits at LaGCC, PHYS 1100 is 5 credits at BC

⁴These courses are not required by the Applied Chemistry BS degree; students will receive elective credits

D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

Students transferring to the BS program in Chemistry at BC from the AS program in Physical Science: Chemistry Track at LaGCC will be required to satisfactorily complete the following courses (totaling 60 credits) at BC.

Requirement	Brooklyn College Course	Credits
Program Requirements		
Principles of Chemical Reactivity ¹	CHEM 2110	2
Multivariable Calculus	MATH 2201	4
Analytical Chemistry	CHEM 3415W	5
Professional Readiness for Chemists	CHEM 3900	3
General Physics II	PHYS 2100 (or PHYS 2150)	5
Physical Chemistry I	CHEM 4610	5
Physical Chemistry II	CHEM 4620	5
Program Requirements Subtotal²		29
Elective Credits		
9 credits (at least) from the following options:		9
Instrumental Analysis (5 cr)	CHEM 3420	
Advanced Organic Lab Techniques (5 cr)	CHEM 4530	
Advanced Organic Chemistry (3 cr)	CHEM 4550	
Biochemistry (5 cr)	CHEM 4570	
Biochemistry Lectures (3 cr)	CHEM 4571	
Biochemistry Lab (2 cr)	CHEM 4572	
Biochemistry II Lectures (3 cr)	CHEM 4581	
Quantum Chemistry	CHEM 4640	
Inorganic Chemistry (5 cr)	CHEM 4760 (or CHEM 4761 for 3 cr)	
Environmental Chemistry (3 cr)	CHEM 4780	
Additional BC electives to bring the total to 120 credits (60 from LaGCC, 60 from BC)		22
Elective Credits Subtotal		31
Total BC Program Credits		60
Total Credits for BS Degree		120

¹Students who earned a grade of C- or better in Organic Chemistry I and II can request a waiver of Chem 2110. Otherwise, this course may be required and the elective credits adjusted accordingly. Students should consult the department advisor.

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 agreement, e.g., tracking the number of students who transfer under the articulation agreement and their success:

Brooklyn College (BC) will be able to provide LaGuardia Community College (LaGCC) the following information: the number of LaGCC students who enrolled and their cumulative GPA

3. Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisers, Websites, etc.:

Notice of articulation will be placed in the respective recruiting brochures, as appropriate and websites. Respective transfer and academic advisers will be informed and provided with copies of this agreement.

Signatories for Brooklyn College:



Mark Kobrak
Chair, Department of Chemistry



Anne Lopes
Provost and Senior Vice President
for Academic Affairs

Signatories for Laguradia Community College: