

The City University of New York
Articulation Agreement Between
Queensborough Community College
and
Queens College

A. Sending and Receiving Institutions

Sending Institution: Queensborough Community College (QCC)
Department: Mathematics and Computer Science
Program: Liberal Arts and Sciences (Mathematics and Science)
Degree: Associate of Science (A.S.)

Receiving Institution: Queens College (QC)
Department: Computer Science
Program: Computer Science
Degree: Bachelor of Science (B.S.)

B. Admission Requirements for Senior College Program

Minimum GPA: 2.0
Minimum grade for CSCI courses required for the major: C
Minimum grade for non-CSCI courses required for the major: C-

To take advantage of this articulation agreement, students must complete the A.S. in Liberal Arts and Sciences (Mathematics and Science) at Queensborough Community College prior to transfer to Queens College. Upon transfer, students must declare a major in Computer Science.

Total transfer credits granted toward the baccalaureate degree: 60 credits
Total additional credits required at the Queens College to complete the baccalaureate degree:
60 credits

C. Course-to-Course Equivalencies and Transfer Credit Awarded

Queensborough Community College		Queens College		
Course and Title	Credit	Course and Title	Credit	Transfer Credits Awarded
Common Core Requirements		Course Equivalency		
Required Core 1A: ENGL-101 English Composition I ENGL-102 English Composition II	3 3	English Composition 1 and 2: ENGL 110 College Writing I ENGL 130 Writing about Literature in English	3 3	3 3
Required Core 1B: MA-440 Pre-Calculus Mathematics	4	Math and Quantitative Reasoning: MATH 122 Precalculus	4	4
Required Core 1C One of the following required: BI-201, CH-151, PH-301, PH-311, or PH-421	4-5	Life and Physical Sciences: Physics or Biology with lab	4	4
Flexible Core 2A: Take one ANTH, HIST, ECON, or PLSC course from 2A	3	World Cultures and Global Issues	3	3
Flexible Core 2B: SP-211 Speech Communication	3	US Experience in Its Diversity	3	3
Flexible Core 2C: Select one course	3	Creative Expression	3	3
Flexible Core 2D: Select one course	3	Individual and Society	3	3
Flexible Core 2E: CS-101 ¹ Algorithmic Problem Solving I	4	Scientific World: CSCI-111 Introduction to Algorithmic Problem-Solving	3	3
Additional Flexible Core Course: CS-201 ¹ Computer Organization and Assembly Language	4	Additional Flexible Core Course: CSCI-240 Computer Organization and Assembly Language	3	3
		Additional Elective Credit	-	2-3
Subtotal	34-35	Subtotal	34-35	
Requirements for the Major		Course Equivalency		
MA-441 ¹ Analytic Geometry and Calculus I	4	MATH 151 Calculus/Differentiation and Integration	4	4
<u>QCC Major Electives</u> - Select 14-18 credits from the following	14-20			
MA-442 ¹ Analytic Geometry and Calculus II	4	MA-152 Calculus/Integration and Infinite Series	4	4
MA-461 ¹ Linear Algebra	4	MATH 231 Linear Algebra	4	4
CS-203 ¹ Algorithmic Problem Solving II in C++	4	CSCI-211 Object-Oriented Programming in C++	3	3
CS-204 ¹ Algorithmic Problem Solving II in Java	4	CSCI-212 Object-Oriented Programming in Java	3	3
MA-471 ¹ Introduction to Discrete Mathematics	3	MATH 120 Discrete Math	3	3
CS-220 ¹ Discrete Structures	3	CSCI 220 Discrete Structures	3	3
		Additional Elective Credit	-	0-2
Subtotal	18-24	Subtotal	18-24	
Additional Requirements		Course Equivalency		
HE-101 Introduction to Health Education or HE-102 Health, Behavior & Society	1-2	Elective Credit	-	1-2
One credit in PE-400, PE-500, or DAN-100 series (one credit courses only)	1	Elective Credit	-	1
MA-119 College Algebra (if required)	3	Elective Credit	-	3
MA-121 Trigonometry (if required)	1	Elective Credit	-	1
Subtotal	2-7	Subtotal	2-7	
Total	60	Total	60	

Notes:

1. These courses count towards the Queens College Computer Science B.S. course requirements. Some required courses will be taken at QCC as part of the Common Core.

All Queensborough Community College students must complete at least two writing intensive courses, designated as “WI” in the course schedule. Transfer students must take at least one writing intensive course at Queens College, designated W, but this can overlap with the College Option Literature requirement and does not add to the required number of credits.

D. Senior College Courses Remaining for Baccalaureate Degree

Course and Title	Credits
College Option General Education Courses	
One Literature Course (LIT)	3
One Language Course (LANG)	3
Major Courses ¹	
CSCI 313 Data Structures	3
CSCI 316 Principles of Programming Languages	3
CSCI 320 Theory of Computation	3
CSCI 323 Design & Analysis of Algorithms	3
CSCI 340 Operating Systems Principles	3
CSCI 331 Database Systems	3
CSCI 343 Computer Architecture	3
CSCI 355 Internet and Web Technologies	3
CSCI 370 Software Engineering	3
MATH 241 Probability and Statistics	3
Select 6 additional 3-credit major electives	18
Subtotal	54
Additional course work to reach 120 credits	6
Total credits to be earned at Queens College	60

Notes:

1. Students who have not completed all of the major elective courses in the Table in Part C above while at QCC must complete the remaining courses at QC.

Students must complete a minimum of 45 credits in residence at QC during the student’s undergraduate career, and at least 30 of the last 64 credits credited toward the degree taken at Queens or the CUNY Graduate Center. Students must earn a cumulative GPA of at least 2.0 based only on work done at Queens College to graduate.

E. Summary of Credits Required

Total credits to be earned at Queensborough Community College	60
Total credits to be earned at Queens College	60
Total credits required for the B.S. degree	120

F. Articulation Agreement Follow-up Procedures

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

This agreement will be valid for 3 academic years from the Effective Date (below). Each year, there will be a review of the agreement's effectiveness by the Academic Affairs Officers at each institution.

When any of the programs within this agreement undergo any changes relevant to this agreement, this agreement will be reviewed and revised as necessary by the Curriculum Committees of both the sending and receiving program.

Either party may independently cancel this agreement by notifying the other party no less than one academic year before the intended date of cancellation.

Procedures for evaluating agreement:

The academic department, advisement centers, and Offices of Institutional Effectiveness from each campus will keep data on the academic progress of the transfer students. Upon request, Queens College will provide Queensborough Community College with names and academic status of all recent transfer students from QCC pursuing the abovementioned bachelor's degree program.

Sending and receiving college procedures for publicizing agreement:

Queensborough Community College and Queens College will collaborate in publicizing this agreement on their websites and in their catalogs. They will share brochures and other marketing materials including web-based promotions. Transfer advisors will be made aware of this agreement and will have available all necessary materials to publicize the agreement to the students with whom they work.

Members of the Senior College Enrollment Management Division will have this agreement and attend recruitment events at the Sending Institution. They will be assisted by the Office of Academic Affairs and the Transfer Resource Center at Queensborough Community College.


Additional Information

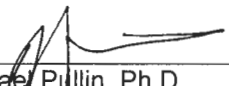
This agreement is deemed to be consistent with the CUNY Pathways General Education curriculum, and will be updated whenever necessary in keeping with changes in the Pathways curriculum. Queens College requires 6-7 credits of additional Pathways classes as part of the College Option, which includes a literature and a language requirement, as well as two Writing Intensive (W) units, with a minimum of one in residency. Writing Units may overlap with other requirements. According to the

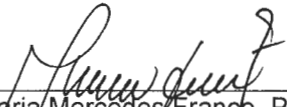
specifics in this agreement, students will complete a minimum of 60 credits at each institution; however, students who transfer into Queens with more than 60 credits must complete at least 45 credits at Queens College to earn a Queens College degree.

Effective Date: Fall 2019

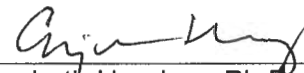
For Queensborough Community College:

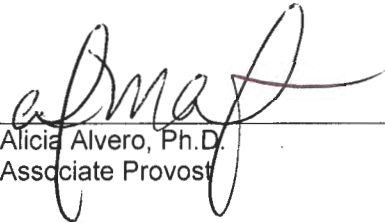

Sandra Palmer, Ph.D. Date
Interim Provost and Vice-President
for Academic Affairs

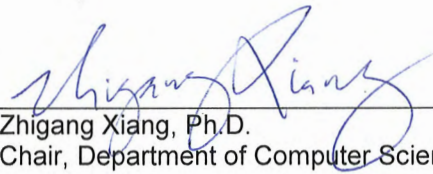

Michael Pullin, Ph.D. 5/14/19 Date
Associate Dean of Academic
Affairs


Maria Mercedes Franco, Ph.D. 5/21/19 Date
Chair, Department of Mathematics
and Computer Science

For Queens College:


Elizabeth Hendrey, Ph.D. 5/8/19 Date
Provost and Senior Vice President for
Academic Affairs


Alicia Alvero, Ph.D. 5/7/19 Date
Associate Provost


Zhigang Xiang, Ph.D. 5/6/19 Date
Chair, Department of Computer Science