

Liberal Arts and Sciences–Computer Science to Computer Science Articulation Agreement Between Queensborough Community College and Polytechnic University

An articulation agreement is a formal, systematic, written collaboration between two institutions designed to identify equivalent courses and clarify requirements so students can more easily transfer between the two institutions. Completing these agreements can be a lengthy process that involves the faculty and administration at both institutions. These agreements must also be periodically updated to reflect any changes in curriculum or requirements at the institutions. For students considering transferring to Polytechnic University, the articulation agreement provides a great resource, and should be followed closely to ensure a smooth transition between institutions. Students should check with their academic counselor for more information about their specific agreement.

Course to Course Equivalencies and Transfer Credit Awarded*

Queensborough Requirements	Credits at QCC	Polytechnic Equivalent	Credits at Poly
English, History, Speech¹ EN 101, 102 HI 110 or HI 112 SP 211	12 cr.	EN 1014 EN 1204 EN 1204	12 cr.
Social Science Elective² (<i>One of the following</i>): SS 211, SS 212, SS 510, SS 520, SS 530	3 cr.	Equivalent Poly course	3 cr.
Social Science, History or Humanities Elective² (<i>One of the following</i>): AR 310, AR 315, HI 111, HI 127, HI 128, HI 155, MU 110, MU 140, MU 152, SS 211, SS 212, SS 310, SS 510, SS 520, SS 530, SS 610, SS 620	3 cr.	Equivalent Poly course	3 cr.
Health and Physical Education HE 102 & 1 PE 400, 500, 600 level	3 cr.	Not Transferable	0 cr.
Analytical Geometry and Calculus I, II and Linear Algebra MA 441, 442, 461	12 cr.	MA 1024, MA 1112 & 1122 ³ , MA 2012 ³	10 cr. ³ + 2 elec. cr. ⁴
Intro. to Discrete Mathematics – MA 471	3 cr.	MA 2312 ³	2 cr. ³
Calculus Physics I, II, III – PH 411, 412, 413	10 cr.	PH 1004 & PH 2004	8 cr. + 2 elec. cr. ⁴
Requirements related to the major:			
CS 101	4 cr.	CS 1114	4 cr.
CS 201	4 cr.	CS 2214	4 cr.
CS 203	4 cr.	CS 1124	4 cr.
CS 220	3 cr.	MA 2322 ³	2 cr. ³
Total Credits at QCC	61	Total Credits transferred to Polytechnic	56

¹ EN 101, EN 102, HI 110 or 112 and SP 211 will transfer as a block of 12 credits granted as EN 1012, EN 1204 and HI 2104

² Students are required to take 12 credits of SS/HU courses, at either QCC or Polytechnic. Two courses must be at the 2000 level and one at the 3000 level at Polytechnic. Please select courses carefully to fulfill these requirements.

³ Students will receive credit for MA 1122 and/or higher-level mathematics courses only after passing the proficiency exam in math required of all transfer students. If students fail the exam, they will be required to take MA 1132 and will receive the previously earned credit upon successfully completing the course.

⁴ The two elective credits from the Math and Physics sequence will be combined, upon the student's passing of the proficiency in math exam, to be credited toward an elective in place of EG 1004.

Poly/QCC Equivalents for the BS in Computer Science (Electives in Humanities and Social Sciences)

QCC Course	QCC Course Title	Poly Course	Poly Course Title
AR 310	Introductory Survey of Art	AH 2114	Introduction to Art History
AR 315	Modern Art	AH 2124	Modern Art
EN 303	Reading in Poetry	EN 2114	Poetry
EN 601	The Novel	EN 2144	The Novel
HI 111	Intro. To Medieval and Early Modern Western Civilization	HI 2414	Europe from 750-1700 AD
HI 127	Growth of American Civilization I: Colonial Period Through Reconstruction	HI 2314	United States History to 1865
HI 128	Growth of American Civilization II: Reconstruction to the Present	HI 2324	United States History from 1865 to present
MU 110	Introduction to Music	MU 2114	Understanding Music
MU 140	Twentieth-Century Music	MU 2124	Modern Music
MU 152	Living Opera	MU 2134	Introduction to Opera
SS 510	Psychology	PS 2104	Introduction to Psychology
SS 520	Human Growth and Development	PS 3414	Developmental Psychology
SS 530	Abnormal Psychology	PS 3424	Abnormal Psychology
SS 610	Introduction to Philosophy	PL 2104	Magic, Medicine and Science
SS 620	Philosophy of Religion	PL 2034	Philosophy of Religion

*Other courses may be considered for transfer credit on a course-by-course basis.

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College: Polytechnic University
Department: Department of Computer Science
Program: Computer Science
Degree: BS
Credits required for degree: 128
Admissions requirement: e.g., minimum GPA of 2.5

Total transfer credits granted toward BS: 56
Additional credits required to complete degree: 72

For more information: <http://cis.poly.edu>

More than ever, there is a demand for a prepared work force with the scientific and technical training necessary to perform effectively on the job. Job opportunities in computer and information science are challenging and diverse, and demand for computer science graduates is expected to remain strong over the next decade. Computing professionals might find themselves in a variety of environments in academia, research, industry, government, private and business organizations—analyzing problems for solutions, formulating and testing, using advanced communications or multi-media equipment, or working in teams for product development.

Senior College Upper Division Courses Remaining for Baccalaureate Degree

General Education (Liberal Arts, Core, Distribution) and other Required Courses		Credits at Poly
CM 1004	General Chemistry	4
PL 4062	Computer Ethics	2
XX xxxx	Humanities/Social Science Electives	10
XX xxxx	Free Elective	3
Subtotal		19

Major Courses		Credits at Poly
MA 2212	Data Analysis I	2
MA 2222	Data Analysis II	2
MA 2132	Ordinary Differential Equations	2
CS 2134	Data Structures & Algorithms	4
CS 3314	Design & Implementation Programming Languages	4
CS 3224	Operating Systems	4
CS 3414	Design & Analysis Algorithms	4
CS xxxx	CS Elective	14
CS 4513	Software Engineering I	3
XX xxxx	Sequence Elective I	4
XX xxxx	Sequence Elective II	4
CS 4523	Design Project II	3
XX xxxx	Technical Elective	3
Subtotal		53
Total Credits needed at Polytechnic		72