Computer Science (A.S. Degree)
FALL 2022-SPRING 2023

REMEDIAL SEQUENCE (if required)

☐ ESL 1 (8) ▸▸	☐ ESL 2 (6) ▸▸	☐ ESL 3 (6) ▸▸	☐ ENG 9 (4)

☐ ENG 1[1] (4) ▸▸	☐ ENG 2[1] (4)

☐ RDL 1[1] (4) ▸▸	☐ RDL 2[1] (6)

☐ MTH 1[2] (4) ▸▸	☐ MTH 5[2] (6) ▸▸	☐ MTH 6[2] (6)

☐ CHM 2 (4)

GRADUATION REQUIREMENTS

☐ GPA ≥ 2.0	☐ Writing Intensive 1	☐ Writing Intensive 2

FRESHMAN SEMINAR

☐ FYS 11

[1] ENG 1/ENG 2 & RDL 1/RDL 2 are no longer offered. Students with ENG/RDL developmental needs will now enroll in corequisite courses, ENG 100 (If English Proficiency Index < 50), **OR** ENG 110 (If English Proficiency Index = 50-64).

[2] MTH 1/MTH 5/MTH 6 are no longer offered. They have been replaced by MTH 28/28.5. Students who have successfully completed an elementary algebra math intervention at a CUNY college (e.g., Math Proficiency Workshop, CUNY Start Math, Math Start, or MTH 5) are eligible for MTH 28.

For MTH 28 enrollment, a new student must be CUNY Math Proficient, and will also have to meet one of the following criteria:

Mathematics high school GPA of at least 70 and successful completion of a course beyond Algebra 1, **OR** New York State Regents Trigonometry Score of at least 65, **OR** New York State Regents Common Core Algebra 2 Score of at least 65.

[3] If a student is required to take MTH 28/28.5 College Algebra and Elementary Trigonometry or MTH 30 Precalculus, then the following applies:
 -If MTH 28/28.5 is required, then MTH 28/28.5 applies to Required Core B; MTH 30 applies to Scientific World; and CSI 30 and MTH 31 will be required in the major courses. Free electives reduced to 0.
 -If student is exempted from MTH 28 but MTH 30 is required, then MTH 30 applies to Required Core B and MTH 31 will be required in the major courses. Free electives reduced to 3.

[4] Lab Science I & II must form a sequence, e.g., BIO 11 & BIO 12.

[5] See Degree map at: http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/ for semester-by-semester sequence.

Notes:
- This program has received a waiver to require students to complete specific STEM/STEM Variant courses in Required Area B, Required Area C and Flexible Area E. If students transferring into this program complete different courses in these areas, they will be certified as having completed the Common Core requirements, but it may not be possible for them to finish their degree within the regular number (60) of credits.
- Students are encouraged to begin Transfer Planning early in their academic careers. Please visit the Transfer Planning web site for the timeline as well as information on articulation and transfer. Transfer Services – Bronx Community College (cuny.edu).

REQUIRED COMMON CORE

☐ A ☐ A	**English Composition[1] I & II** ENG 100 **OR** ENG 110 **OR** ENG 111; **AND** ENG 112 **OR** ENG 113 **OR** ENG 114 **OR** ENG 115 **OR** ENG 116	6
☐ B	**Mathematical and Quantitative Reasoning[3]** MTH 31 Calculus & Analytic Geometry I	4
☐ C	**Life and Physical Sciences[4]** Lab Science I (BIO 11 **or** CHM 11 **or** PHY 11 **or** PHY 31)	4
	Subtotal:	14

FLEXIBLE COMMON CORE (Course list at: http://www.bcc.cuny.edu/Pathways_Flexible_Common_Core)

Students can complete no more than two courses from any one discipline or interdisciplinary field.	
☐ A World Cultures and Global Issues	3
☐ B US Experience in its Diversity	3
☐ C Creative Expression	3
☐ D Individual and Society	3
Scientific World ☐ E CSI 30 Discrete Mathematics I **AND** ☐ E Lab Science II[4] (BIO 12 **or** CHM 12 **or** PHY 12 **or** PHY 32)	7
Subtotal:	19

MAJOR REQUIREMENTS[5]

☐ MTH 32	Analytic Geometry & Calculus II	4
☐ MTH 33	Analytic Geometry & Calculus III	4
☐ CSI 31	Introduction to Computer Programming I	3
☐ CSI 32	Introduction to Computer Programming II	3
☐ CSI 35	Discrete Mathematics II	3
☐ CSI 33	Data Structures	3
☐ ELECTIVES[3]	Free Electives	0-7
	Subtotal:	27
	TOTAL:	60

BRONX COMMUNITY COLLEGE