PATHWAYS
Computer Science (A.S. Degree)
FALL 2020-SPRING 2021

REMEDIAL SEQUENCE (if required)

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

☐ ENG 1[1] (4) ▸▸	☐ ENG 2 (4)

☐ RDL 1[1] (4) ▸▸	☐ RDL 2 (6)

☐ MTH 1 (4) ▸▸	☐ MTH 5 (6) ▸▸	☐ MTH 6 (6)

☐ CHM 2 (4)

GRADUATION REQUIREMENTS

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

FRESHMAN SEMINAR

☐ FYS 11

[1]Students with prior ENG 1/RDL 1 placements (or English Proficiency Index < 50) will now take ENG 4 or RDL 4. Passing ENG 4 or RDL 4 will allow them to register for ENG 110.

[2] MTH 30 is a pre-requisite for MTH 31. Students requiring MTH 30 must use free elective credits for this purpose.

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

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

Notes:

- The program has been given a waiver to require its students to take MTH 31 to fulfill Required Area B, BIO 11 or CHM 11 or PHY 11 or PHY 31 to fulfill Required Area C, CSI 30 to fulfill Flexible Area E, BIO 12 or CHM 12 or PHY 12 or PHY 32 to fulfill the 6th course in the Flexible Core. If students transferring into this program complete different course 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. http://www.bcc.cuny.edu/TransferCounseling/.

REQUIRED COMMON CORE

☐	**A**	**English Composition** ENG 110[1] **OR** ENG 111; **AND** ENG 112 **OR** ENG 113 **OR** ENG 114 **OR** ENG 115 **OR** ENG 116	6
☐	**B**	**Mathematical and Quantitative Reasoning** MTH 31[2] Calculus & Analytic Geometry I	4
☐	**C**	**Life and Physical Sciences**[3] 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/?p=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
☐ **E Scientific World** CSI 30 Discrete Mathematics I **AND** Lab Science II (BIO 12 **or** CHM 12 **or** PHY 12 **or** PHY 32)	7
Subtotal:	**19**

MAJOR REQUIREMENTS[4]

☐	MTH 32	Analytic Geometry & Calculus II	5
☐	MTH 33	Analytic Geometry & Calculus III	5
☐	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	MTH 30[2] **and/or** Free Electives	1-5
		Subtotal:	**27**
		TOTAL:	**60**