PATHWAYS
Computer Science (A.S. Degree)
FALL 2021-SPRING 2022

REMEDIAL SEQUENCE (if required)
☐ ESL 1 (8) ☐ ESL 2 (6) ☐ ESL 3 (6) ☐ ENG 9 (4)
☐ ENG 1 (4) ☐ ENG 2 (4)
☐ RDL 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

REQUAT ED COMMON CORE
☐ A English Composition 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

☐ B Mathematical and Quantitative Reasoning
☐ MTH 31 Calculus & Analytic Geometry I

☐ C Life and Physical Sciences
☐ Lab Science I (BIO 11 or CHM 11 or PHY 11 or PHY 31)

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

☐ B US Experience in its Diversity

☐ C Creative Expression

☐ D Individual and Society

☐ E Scientific World
☐ CSI 30 Discrete Mathematics I AND
☐ Lab Science II (BIO 12 or CHM 12 or PHY 12 or PHY 32)

Subtotal: 19

MAJOR REQUIREMENTS
☐ MTH 32 Analytic Geometry & Calculus II

☐ MTH 33 Analytic Geometry & Calculus III

☐ CSI 31 Introduction to Computer Programming I

☐ CSI 32 Introduction to Computer Programming II

☐ CSI 35 Discrete Mathematics II

☐ CSI 33 Data Structures

☐ ELECTIVES MTH 30 and/or Free Electives

Subtotal: 27

TOTAL: 60

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. Transfer Services – Bronx Community College (cuny.edu).