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

REMEDIAL SEQUENCE (if required)

☐ ESL 1 (8)  ☐ ESL 2 (6)  ☐ ESL 3 (6)  ☐ ENG 9 (4)
☐ ENG 11 (4)  ☐ ENG 2 (4)
☐ RDL 11 (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
☐ FYS 11

FRESHMAN SEMINAR

REQUIRED COMMON CORE

☐ A  ☐ 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 30 Pre-Calculus Mathematics OR MTH 31 Analytic Geometry & Calculus I

☐ C  ☐ Life and Physical Sciences
CHM 11 General Chemistry I

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  CHM 12 General Chemistry II

Select an additional course from Flexible Core A-E

Subtotal: 19

MAJOR REQUIREMENTS

☐ MTH 31 Analytic Geometry & Calculus I

☐ MTH 32 Analytic Geometry & Calculus II

☐ ELECTIVES Free Electives

Chemistry Option Requirements

☐ CHM 31 Organic Chemistry I

☐ CHM 32 Organic Chemistry II

Choose two of the five courses below:

☐ CHM 33 Quantitative Analysis

☐ CHM 21 Introduction to Chemical Processes

☐ BIO 11 General Biology I

☐ BIO 34/CHM 34 Biofuels and Bioproducts

☐ PHY 11 College Physics I

Subtotal: 27

TOTAL: 60

1ENG 1/ENG 2 & RDL 1/RDL 2 are no longer available. Students with ENG/RDL remedial needs will now enroll in corequisite courses ENG 100 (English Proficiency Index < 50), or ENG 110 (English Proficiency Index = 50-64).

2This program has obtained a waiver to require STEM variant courses in Required Core Area B and Area C and Flexible Core 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.

3See Degree map at: http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/ for semester-by-semester sequence.

4For students who take MTH 30 to fulfill the Required Core, there will be no free electives.

5See your department advisor for the appropriate sequence of specialization courses.

NOTE: 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 the information on Articulation and transfer: Transfer Services – Bronx Community College (cuny.edu)