

Science (A.S. Degree) *

Biology Option

FALL 2023-SPRING 2024

Footnotes:

¹Students with English Proficiency Index (EPI) of 0-49 enroll in corequisite course ENG 100. Students with EPI of 50-64 enroll in corequisite course ENG 110. Students with EPI of at least 65 (or other English proficiency qualification) enroll in ENG 111. Students with ESL need should take appropriate ESL course(s) (Sequence: ESL 01->02->03->09) before enrolling in ENG 110.

²Students 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.

³This 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.

⁴For 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.

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

⁶Students who place out of MTH 28 and/or MTH 30 will take elective course(s) to complete 60 total degree credits.

⁷Students transferring into the program with 24 or more degree or equated credits will be exempt from FYS 11 and can take 1 credit of elective to satisfy this requirement.

*Note:

- In order to apply for [graduation](#), students must complete all required courses with appropriate grades, complete two writing intensive courses, and have a minimum GPA of 2.0.

REQUIRED COMMON CORE

<input type="checkbox"/> A	English Composition ¹ I & II ENG 100 ¹ OR ENG 110 ¹ OR ENG 111 ¹ ; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	6
<input type="checkbox"/> A		
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning ^{2,3} MTH 28 ^{4,6} College Algebra and Elementary Trigonometry OR MTH 28 ^{2,5} (Corequisite)	3
<input type="checkbox"/> C	Life and Physical Sciences ³ CHM 11 General Chemistry I	4
Subtotal:		13

FLEXIBLE COMMON CORE

Students can complete no more than two courses from any one discipline or interdisciplinary field.		
<input type="checkbox"/> A	World Cultures and Global Issues	3
<input type="checkbox"/> B	US Experience in its Diversity	3
<input type="checkbox"/> C	Creative Expression	3
<input type="checkbox"/> D	Individual and Society	3
<input type="checkbox"/> E	Scientific World ³ CHM 12 General Chemistry II AND MTH 30 ⁶ Pre-Calculus Mathematics	8
Subtotal:		20

MAJOR REQUIREMENTS⁵

<input type="checkbox"/> MTH 31	Analytic Geometry & Calculus I	4
<input type="checkbox"/> MTH 32	Analytic Geometry & Calculus II	4
<input type="checkbox"/> ELECTIVES ⁶	Free Electives ⁶	0-7
<input type="checkbox"/> FYS 11 ⁷	First Year Seminar ⁷	1

Biology Option Requirements:

<input type="checkbox"/> BIO 120	Biology I: Molecules, Cells, and Genes	4
<input type="checkbox"/> BIO 121	Biology II: Organisms, Biodiversity, and Systems	4
<input type="checkbox"/> CHM 31	Organic Chemistry I	5
<input type="checkbox"/> CHM 32	Organic Chemistry II	5
Subtotal:		27
TOTAL:		60