

PATHWAYS

Biotechnology (A.S. Degree)

Joint Degree (City College)

FALL 2021-SPRING 2022

REMEDIAL SEQUENCE (if required)

ESL 1 (8) ▶▶ ESL 2 (6) ▶▶ ESL 3 (6) ▶▶ ENG 9 (4)

ENG 1¹ (4) ▶▶ ENG 2¹ (4)

RDL 1¹ (4) ▶▶ RDL 2¹ (6)

MTH 1 (4) ▶▶ MTH 5 (6) ▶▶ MTH 6 (6)

CHM 2 (4)

GRADUATION REQUIREMENT

GPA ≥ 2.0 Writing Intensive 1 Writing Intensive 2

FRESHMAN SEMINAR

FYS 11

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).

²Students who placed into MTH 30 will not have any free elective credits.

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

⁴Students who take MTH 30 can only select PHY 11 so as not to exceed the 60 credits limit for the program.

NOTE: For acceptance to the B.S. program at the City College, students must have a 2.75 GPA in their science courses.

REQUIRED COMMON CORE

<input type="checkbox"/> A <input type="checkbox"/> A	English Composition ENG 100 ¹ OR ENG 110 ¹ OR ENG 111; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning MTH 30 ² Pre-Calculus Mathematics OR MTH 31 Analytic Geometry & Calculus I	4
<input type="checkbox"/> C	Life and Physical Sciences BIO 11 General Biology I	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.		
<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 BIO 12 General Biology II	4
<input type="checkbox"/>	Select an additional course from the Flexible Core A, B, C, D, or E	3
Subtotal:		19

MAJOR REQUIREMENTS³

<input type="checkbox"/> BIO 55	Genetics	3
<input type="checkbox"/> BIO 56	Cell & Molecular Biology	4
<input type="checkbox"/> CHM 11	General College Chemistry I	4
<input type="checkbox"/> CHM 12	General College Chemistry II	4
<input type="checkbox"/> ELECTIVES	Free Electives ¹	0-4
<input type="checkbox"/> MTH 31	Analytic Geometry & Calculus I	0-4
<input type="checkbox"/> MTH 37	Elements of Calculus and Statistics	4
<input type="checkbox"/> PHY 11 ⁴ OR <input type="checkbox"/> CHM 31	PHY 11 College Physics I ⁴ OR CHM 31 Organic Chemistry I	4-5
Subtotal:		27
TOTAL:		60