PATHWAYS
Biotechnology (A.S. Degree)
Joint Degree (City College)
FALL 2018-SPRING 2019

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 REQUIREMENT

☐ CAT-R	☐ CAT-W	☐ CAT-M	☐ GPA ≥ 2.0

☐ Writing Intensive 1	☐ Writing Intensive 2

FRESHMAN SEMINAR

☐ FYS 11

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

[1]Students who placed into MTH 30 will not have any free elective credits.

[2]Students who take MTH 30 can only select PHY 11 so as not to exceed the 60 credit limit for the program.

REQUIRED COMMON CORE

☐ A	English Composition	ENG 110 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 30[1] OR MTH 31	4
☐ 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.	
☐ 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 BIO 12 General Biology II	4
☐ Select an additional course from the Flexible Core A, B, C, D, or E	3
Subtotal:	19

MAJOR REQUIREMENTS

☐ BIO 55	Genetics	3
☐ BIO 56	Cell & Molecular Biology	4
☐ CHM 11	General College Chemistry I	4
☐ CHM 12	General College Chemistry II	4
☐ ELECTIVES	Free Electives[1]	0-4
☐ MTH 31	Analytic Geometry & Calculus I	0-4
☐ MTH 37	Elements of Calculus and Statistics	4
☐ PHY 11 OR ☐ CHM 31	PHY 11 College Physics I OR CHM 31 Organic Chemistry I[2]	4-5
	Subtotal:	27
	TOTAL:	60