

**Science (A.S. Degree)**  
**Biology Option**  
**FALL 2022-SPRING 2023**

**REMEDIAL SEQUENCE** (if required)

<input type="checkbox"/> ESL 1 (8) ▶▶	<input type="checkbox"/> ESL 2 (6) ▶▶	<input type="checkbox"/> ESL 3 (6) ▶▶	<input type="checkbox"/> ENG 9 (4)
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<input type="checkbox"/> ENG 1 <sup>1</sup> (4) ▶▶	<input type="checkbox"/> ENG 2 <sup>1</sup> (4)
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<input type="checkbox"/> RDL 1 (4) <sup>1</sup> ▶▶	<input type="checkbox"/> RDL 2 <sup>1</sup> (6)
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<input type="checkbox"/> MTH 1 <sup>2</sup> (4) ▶▶	<input type="checkbox"/> MTH 5 <sup>2</sup> (6) ▶▶	<input type="checkbox"/> MTH 6 <sup>2</sup> (6)
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<input type="checkbox"/> CHM 2 (4)
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**GRADUATION REQUIREMENTS**

<input type="checkbox"/> GPA ≥ 2.0	<input type="checkbox"/> Writing Intensive 1	<input type="checkbox"/> Writing Intensive 2
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**FRESHMAN SEMINAR**

<input type="checkbox"/> FYS 11
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<sup>1</sup>ENG 1/ENG 2 & RDL 1/RDL 2 are no longer offered. Students with ENG/RDL developmental need will now enroll in corequisite course ENG 100 (if English Proficiency Index is 0-49), or ENG 110 (if English Proficiency Index is 50-64).

<sup>2</sup>MTH 1/MTH 5/MTH 6 are no longer offered. They have been replaced by MTH 28/28.5. Students 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.

<sup>3</sup>This 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.

<sup>4</sup>For 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.

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

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

<sup>7</sup>Students 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:

- The Biology Option fully articulates with Lehman's B.S. in Anthropology and B.A. in Biology. The Biology Option also articulates with SUNY Empire State College. Copies of these agreements may be found on the BCC Transfer Planning website: [Transfer Services – Bronx Community College \(cuny.edu\)](http://www.bcc.cuny.edu/transfer-services/)

**REQUIRED COMMON CORE**

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

**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 <sup>3</sup> CHM 12 General Chemistry II <b>AND</b> MTH 30 <sup>6</sup> Pre-Calculus Mathematics	8
<b>Subtotal:</b>		<b>20</b>

**MAJOR REQUIREMENTS<sup>5</sup>**

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

**Biology Option Requirements:**

<input type="checkbox"/> BIO 11	General Biology I	4
<input type="checkbox"/> BIO 12	General Biology II	4
<input type="checkbox"/> CHM 31	Organic Chemistry I	5
<input type="checkbox"/> CHM 32	Organic Chemistry II	5
<b>Subtotal:</b>		<b>27</b>
<b>TOTAL:</b>		<b>60</b>