

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

**REMEDIAL SEQUENCE** (if required)

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

ENG 1<sup>1</sup> (4) ▶▶  ENG 2<sup>1</sup> (4)

RDL 1 (4)<sup>1</sup> ▶▶  RDL 2<sup>1</sup> (6)

MTH 1 (4) ▶▶  MTH 5 (6) ▶▶  MTH 6 (6)

CHM 2 (4)

**GRADUATION REQUIREMENTS**

GPA ≥ 2.0  Writing Intensive 1  Writing Intensive 2

**FRESHMAN SEMINAR**

FYS 11

<sup>1</sup>ENG 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).

<sup>2</sup>This 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.

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

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

Notes:

- 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 \(cuny.edu\)](#)

**REQUIRED COMMON CORE**

<input type="checkbox"/> A <input type="checkbox"/> A	<b>English Composition I &amp; II</b> ENG 100 <sup>1</sup> OR ENG 110 <sup>1</sup> OR ENG 111; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	6
<input type="checkbox"/> B	<b>Mathematical and Quantitative Reasoning</b> MTH 30 <sup>2</sup> Pre-Calculus Mathematics OR MTH 31 <sup>2</sup> Analytic Geometry & Calculus I	4
<input type="checkbox"/> C	<b>Life and Physical Sciences</b> CHM 11 <sup>2</sup> General Chemistry I	4
<b>Subtotal:</b>		<b>14</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	<b>World Cultures and Global Issues</b>	3
<input type="checkbox"/> B	<b>US Experience in its Diversity</b>	3
<input type="checkbox"/> C	<b>Creative Expression</b>	3
<input type="checkbox"/> D	<b>Individual and Society</b>	3
<input type="checkbox"/> E	<b>Scientific World</b> CHM 12 <sup>2</sup> General Chemistry II	4
<input type="checkbox"/> A	<b>Select an additional course from Flexible Core A-E</b>	3
<b>Subtotal:</b>		<b>19</b>

**MAJOR REQUIREMENTS<sup>3</sup>**

<input type="checkbox"/> MTH 31 <sup>2</sup>	Analytic Geometry & Calculus I <sup>2</sup>	0-4
<input type="checkbox"/> MTH 32	Analytic Geometry & Calculus II	5
<input type="checkbox"/> ELECTIVES <sup>4</sup>	Free Electives <sup>4</sup>	0-4
<b>Biology Option Requirements:</b>		
<input type="checkbox"/> BIO 11	General Biology I	0-4
<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>