

# Liberal Arts & Sciences (A.S. Degree)

## Biology Option

### 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)
<input type="checkbox"/> ENG 1 (4) ➡	<input type="checkbox"/> ENG 2 (4)		
<input type="checkbox"/> RDL 1 (4) ➡	<input type="checkbox"/> RDL 2 (6)		
<input type="checkbox"/> MTH 1 (4) ➡	<input type="checkbox"/> MTH 5 (6) ➡	<input type="checkbox"/> MTH 6 (6)	
<input type="checkbox"/> CHM 2 (4)			

### GRADUATION REQUIREMENTS

<input type="checkbox"/> CAT-R	<input type="checkbox"/> CAT-W	<input type="checkbox"/> CAT-M	<input type="checkbox"/> GPA ≥ 2.0
<input type="checkbox"/> Writing Intensive I	<input type="checkbox"/> Writing Intensive II		

### FRESHMAN SEMINAR

<input type="checkbox"/> FYS 11	1
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### PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> A	English Composition ENG 110/111 and ENG 112/113/114/115/116	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning MTH 30/31	4
<input type="checkbox"/> C	Life and Physical Sciences CHM 11 General Chemistry I	4

### PATHWAYS FLEXIBLE CORE (course list available online)

<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"/> A-E	Additional Flexible Core	3
<input type="checkbox"/> E	Scientific World CHM 12 General Chemistry II	4

PATHWAYS Total: 33

<sup>1</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>1</sup> CHM 2 is a pre-requisite for CHM 11 and CHM 17. You can place out of CHM 2 by taking a Chemistry Department administered Chemistry Placement Exam or by having scored 75 or higher on the NYS High School Regents Chemistry exam.

<sup>2</sup>Students must complete five Flexible Core courses, one from each of the four Flexible Core areas (A-D), and an additional course from any of the Flexible Core areas A-E.

Notes:

- Students are encouraged to begin Transfer Planning early in their Academic careers. Please visit the Transfer Planning web site for the timeline as well as the information on Articulation and transfer: <http://www.bcc.cuny.edu/TransferCounseling/>
- 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.

## RECOMMENDED 2-YEAR ACADEMIC PLAN

SEMESTER I Freshman		Credits
<input type="checkbox"/> ENG 110 OR ENG 111	Fundamentals of Composition and Rhetoric OR Composition and Rhetoric I (Required Core A)	3
<input type="checkbox"/> MTH 30 <sup>1</sup> OR 31 <sup>1</sup>	Pre-Calculus Mathematics OR Analytic Geometry & Calculus I (Required Core B)	4
<input type="checkbox"/> BIO 11	General Biology I (Biology Option Requirement & Additional Flexible Core E)	4
<input type="checkbox"/> Flexible Core A-D <sup>2</sup>	Select ONE course from any Flexible Core A-D <sup>2</sup>	3
Subtotal:		14

### SEMESTER II Freshman

<input type="checkbox"/> ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	Composition and Rhetoric II OR Writing About Literature OR Written Composition and Prose Fiction OR Written Composition and Drama OR Written Composition and Poetry (Required Core A)	3
<input type="checkbox"/> MTH 31	Analytic Geometry & Calculus I OR Free Elective Credits if MTH 31 taken above. (May opt to fulfill a required course listed below and save the elective credits for a later semester.)	4
<input type="checkbox"/> CHM 11 <sup>1</sup>	General College Chemistry I (Required Core C)	4
<input type="checkbox"/> BIO 12	General Biology II (Biology Option Requirement)	4
Subtotal:		15

### SEMESTER III Sophomore

<input type="checkbox"/> CHM 12 <sup>1</sup>	General College Chemistry II (Flexible Core E)	4
<input type="checkbox"/> CHM 31	Organic Chemistry I (Major & Bio Option Requirement)	5
<input type="checkbox"/> Flexible Core A-D <sup>2</sup>	Select ONE course from any Flexible Core A-D <sup>2</sup>	3
<input type="checkbox"/> Flexible Core A-D <sup>2</sup>	Select ONE course from any Flexible Core A-D <sup>2</sup>	3
Subtotal:		15

### SEMESTER IV Sophomore

<input type="checkbox"/> MTH 32	Analytical Geometry & Calculus II (Major Requirement)	5
<input type="checkbox"/> CHM 32	Organic Chemistry II (Major & Bio Option Requirement)	5
<input type="checkbox"/> Flexible Core A-D <sup>2</sup>	Select ONE course from any Flexible Core A-D <sup>2</sup>	3
<input type="checkbox"/> Flexible Core A-E <sup>2</sup>	Select an additional course from Flex. Core A-E <sup>2</sup> OR Free Elective Credits if BIO 11 taken above as Flexible Core E	3
Subtotal:		16

TOTAL: 60