

## PATHWAYS

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

#### Earth Systems and Environmental Science Option

FALL 2014-SPRING 2015

#### 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 (5) ►►	<input type="checkbox"/> RDL 2 (5)		
<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 $\geq$ 2.0
<input type="checkbox"/> Writing Intensive 1	<input type="checkbox"/> Writing Intensive 2		

#### FRESHMAN REQUIREMENT

<input type="checkbox"/> FYS 11 / OCD 1
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<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>2</sup>For students who take MTH 30 to fulfill the Required Core, no free electives remain.

<sup>3</sup>See your department advisor for the appropriate sequence of specialization courses.

#### 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.

#### REQUIRED COMMON CORE (course list available online)

<input type="checkbox"/> A	English Composition ENG 10 OR ENG 11; and ENG 12 OR ENG 14 OR ENG 15 OR ENG 16	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning MTH 30 Pre-Calculus Mathematics <sup>1</sup> OR MTH 31 Analytic Geometry & Calculus I	4
<input type="checkbox"/> C	Life and Physical Sciences CHM 11 General Chemistry I <sup>1</sup>	4
<b>Subtotal:</b>		<b>14</b>

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

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 CHM 12 General Chemistry II <sup>1</sup>	4
<input type="checkbox"/>	Select an additional course from Flexible Core A-E	3
<b>Subtotal:</b>		<b>19</b>

#### SPECIALIZATION REQUIREMENTS

<input type="checkbox"/> MTH 31	Analytic Geometry & Calculus I <sup>2</sup>	0-4
<input type="checkbox"/> MTH 32	Analytic Geometry & Calculus II	5
<input type="checkbox"/> ELEC	Free Electives <sup>2</sup>	0-4
<b>Subtotal:</b>		<b>9</b>

#### SPECIALIZATION REQUIREMENTS for CHEMISTRY OPTION<sup>3</sup>

<input type="checkbox"/> CHM 27	Principle of Laboratory Safety	2
<input type="checkbox"/> CHM 33	Quantitative Analysis	4
<b>Choose two of the three courses below:</b>		
<input type="checkbox"/> ESE 11	Earth Systems Science: The Earth OR	
<input type="checkbox"/> ESE 12	Earth Systems Science: The Atmosphere OR	
<input type="checkbox"/> ESE 13	Earth Systems Science: The Ocean	8
<input type="checkbox"/> ESE 21	Earth Systems Science: The Environment	4
<b>Subtotal:</b>		<b>18</b>

**TOTAL: 60**