

**ARTICULATION AGREEMENT FORM**  
**Effective: Fall 2018**

**A. Sending and Receiving Institutions**

Sending College: Fiorello H. LaGuardia Community College  
Department: Natural Sciences  
Program: Biology  
Degree: Associate in Science (A.S.)

Receiving College: York College  
Department: Biology  
Program: Biotechnology  
Degree: Bachelor of Science (B.S.)

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**B. Admission and retention Requirements for Senior College Program**

- York College will accept transfer credit only, not course grades. A maximum of 68-credits may be transferred from a two-year college or degree program. Students with an A.S. degree in Biology from LAGCC will receive a minimum of 60 credits.
- Students eligible for transfer to York College under this agreement must have met at least the minimum requirements for admission to LAGCC, including a US high school diploma or its equivalent.

Total transfer credits granted toward the baccalaureate degree: 62

Total additional credits required at the senior college to complete baccalaureate degree: 58

Total credits required to complete the baccalaureate degree: 120

**C. Course to Course Equivalencies and Transfer Credit Awarded**

LaGuardia Community College		York College		
Course Number & Title	Credits	Course Number & Title	Credits	Credits Awarded
<b>Required Core<sup>1</sup></b>				
ENG 101 English Composition I	3	ENG 125 English Composition I: Introduction to College Writing	3	3
ENG 102 Writing through Literature	3	ENG 126 English Composition II: Writing About Literature	3	3
<i>Select one course from the following:</i> MAT 115 College Algebra MAT 117 Algebra and Trigonometry MAT 119 Statistics with Elementary Algebra MAT 120 Elementary Statistics	3	MATH 104 College Algebra MATH 104 College Algebra MATH 111 Introduction to Statistics and Probability MATH 111 Introduction to Statistics and Probability	3	3
SCB 201 General Biology I	4	BIO 202 Biological Principles II	4	4
<b>Subtotal</b>	<b>13</b>	<b>Subtotal</b>	<b>13</b>	
<b>Flexible Core<sup>1</sup></b>				
World Cultures & Global Issues course	3	World Cultures & Global Issues course	3	3
U.S. Experience In Its Diversity course	3	U.S. Experience In Its Diversity course	3	3
Creative Expression course	3	Creative Expression course	3	3
Individual and Society course	3	Individual and Society course	3	3
Scientific World course SCC 201 General Chemistry I	4	Scientific World course: CHEM 108 Principles of Chemistry I CHEM 109 Principles of Chemistry I Laboratory	3 1.5	4
<i>Select one additional course from the categories above<sup>2</sup></i> SCC 202 General Chemistry II	4	Flexible Core course CHEM 111 Principles of Chemistry II CHEM 112 Principles of Chemistry II Laboratory	3 1.5	4
<b>Subtotal</b>	<b>20</b>	<b>Subtotal</b>	<b>20</b>	
<b>Pathways Total</b>	<b>33</b>	<b>Pathways Total</b>	<b>33</b>	

**Program Core Requirements**

NSF 101 First Year Seminar for Natural Sciences	2	ELEC 1000 Elective credit	2	2
SCB 252 Fundamentals of Biotechniques	3	BTEC 302 Theory and Methods in Biotechnology and Biopharmaceuticals	4	3
SCB 255 Cell Biology	4	BIO 320 Cell Biology	4.5	4
SCB 202 General Biology I	4	BIO 201 Biological Principles I	4	4

<sup>1</sup> This program has a waiver to list specific courses to complete Common Core requirements.

<sup>2</sup> Student can select only two courses from any one discipline. MAT 200 is equivalent to York MATH 120, which is the pre-requisite for MATH 121 at York for students not immediately eligible for MATH 121 via the placement exams.

SCC 251 Organic Chemistry I	5	CHEM 231 Organic Chemistry I CHEM 232 Techniques in Organic Chemistry I	3 2	5
SCC 252 Organic Chemistry II	5	CHEM 233 Organic Chemistry II CHEM 234 Techniques in Organic Chemistry II	3 2	5
Free Electives	4	Free Electives	4	4
<b>Curriculum Subtotal</b>	<b>27</b>	<b>Curriculum Subtotal</b>	<b>27</b>	<b>27</b>
<b>Total for AS degree</b>	<b>60</b>	<b>Total for AS degree</b>	<b>60</b>	<b>60</b>

**D. Summary of Transfer Credits from LCC and Credits to be completed at York College**

Biotechnology, B.S.	Total Credits for the B.S degree	Transfer Credits From LCC	Credits to be Completed at York
General Education	30	33	0
Major Requirements	69.5-71.5	23	35.5-37.5
Electives	20.5-18.5	4	20-22.25
<b>Total</b>	<b>120</b>	<b>60</b>	<b>60</b>

**E. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE**

<b>General Education Requirements (College Option)</b>	
<b>Course Number &amp; Title</b>	<b>Credits</b>
Writing Intensive (WI) course at the 200-level or higher: (Fulfilled by <b>BTEC 480</b> below)	0
Writing Intensive (WI) course at the 200-level or higher OR WRIT 300-level course: (Fulfilled by <b>BTEC 489</b> below)	0
<b>Subtotal</b>	<b>0</b>
<b>I. Required Foundation Courses</b>	
<b>MATH 121</b> Analytic Geometry Calculus I	4
<b>PHYS 113</b> Physics Laboratory I	1
<b>PHYS 114</b> Physics Laboratory II	1
<b>PHYS 115</b> College Physics I	4
<b>PHYS 116</b> College Physics II	4
<b>Subtotal</b>	<b>14</b>
<b>II. Biotechnology Requirements</b>	
<b>BIO 301</b> Molecular Biology and Biotechnology	4
<b>BIO 412</b> Biochemistry OR <b>CHEM 412</b> Biochemistry	3
<b>BTEC 352</b> Bioinformatics	3
<b>BTEC 480</b> Theory and Experimentation in Biotechnology (WI)	5
<b>BTEC 489</b> Special Topics in Biotechnology (WI)	3
<b>Subtotal</b>	<b>18</b>
<b>III. Biotechnology Options</b>	
<i>Choose 3.5 – 5.5 credits chosen from the following:</i>	
<b>BIO 307</b> Biostatistics	3
<b>BIO 415</b> Biochemistry and Molecular Biology	2
<b>BIO 444</b> Genetics	4.5
<b>BIO 452</b> Developmental Biology	4.5
<b>BIO 465</b> Microbiology	4.5
<b>BIO 466</b> Immunology	4.5
<b>BTEC 350</b> Computational Biology and Molecular Design	3
<b>Subtotal</b>	<b>3.5-5.5</b>
<b>Major Discipline Requirements Total</b>	
	<b>35.5-37.5</b>
<b>Free Electives</b>	<b>22.5-20.5</b>
<b>Total Credits Required for B.S. in Biotechnology</b>	<b>120</b>

## **F. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES**

### **Procedures for reviewing, updating, modifying or terminating agreement:**

Neither party may change this agreement unilaterally. Proposed changes in policies and curricula (i.e. admission, curriculum, and degree requirements, course numbers, course content, and/or catalog descriptions by either party), must be communicated in writing to the other party, and jointly agreed upon in consultation with the relevant officials of each institution. Any changes agreed-upon must be signed, dated, and attached to this original agreement. It is highly recommended that the department chairs from the respective college programs jointly complete sections A, B, and C of this agreement at least every two years.

At the end of academic year the various representatives of each institution as indicated above will review the performance of transfer students to determine if adjustment to, or termination of the articulation agreement, is needed.

This articulation agreement will be publicized on both the LaGuardia Community College and York College websites. Transfer advisers at LAGCC will promote this agreement with eligible students. The faculty representative from York College's B.S in Biotechnology will arrange an annual information session with the LAGCC campus for interested students.

### **Additional Information:**

Students transferring to York College must complete at least 40 credits at York, with at least half of the credits in the major program taken at York College.

If more than 64 credits are transferred students may not graduate with honors. A minimum of 56 credits must be completed at York College to graduate with honors.

**LaGuardia Community College**

Paul Arcario 10/31/18  
Date  
Dr. Paul Arcario  
Provost and Vice President for Academic  
Affairs

**York College**

Panayiotis Meleties 3/12/2019  
Date  
Dr. Panayiotis Meleties  
Provost and Senior Vice President of  
Academic Affairs

Burl Yearwood 01/23/19  
Date  
Dr. Burl Yearwood  
Chairperson, Natural Sciences Department

Margaret MacNeil 3/12/19  
Date  
Dr. Margaret MacNeil  
Chairperson, Biology Department