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: Biology (BA)
Degree: Bachelor of Arts (B.A.)

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: 60

Total additional credits required at the senior college to complete baccalaureate degree: 60

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**
Required Core[1]				
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
Select one course from the following: **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
Subtotal	**13**		**Subtotal**	**13**
Flexible Core[1]				
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
Select one additional course from the categories above[2] **SCC 202** General Chemistry II	4	**Flexible** **CHEM 111** Principles of Chemistry II **CHEM 112** Principles of Chemistry II Laboratory **Core** course	3 1.5	4
Subtotal	**20**		**Subtotal**	**20**
Pathways Total	**33**		**Pathways Total**	**33**

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 II	4	**BIO 201** Biological Principles I	4	4

[1] This program has a waiver to list specific courses to complete Common Core requirements.

[2] 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
Curriculum Subtotal	**27**	**Curriculum Subtotal**		**27**
Total for AS degree	**60**	**Total for AS degree**		**60**

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

Biology, B.A.	Total Credits for the B.A. degree	Transfer Credits From LCC	Credits to be Completed at York
General Education	30	33	0
Major Requirements	57-61	23	31-34
Electives	33-29	4	24-27
Total	**120**	**60**	**60**

E. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

General Education Requirements (College Option)	
Course Number & Title	**Credits**
Writing Intensive (WI) course at the 200-level or higher: (Fulfilled by **BIO 486, BIO 487, BIO 488,** or **BIO 489** below)	0
Writing Intensive course at the 200-level or higher OR WRIT 300-level course (Fulfilled by **BIO 301** below)	0
Subtotal	**0**
I. Required Foundation Courses[3]	
BIO 301 Molecular Biology and Biotechnology (WI)	4
BIO 307 Biostatistics	3
Choose one of the following[4]: **BIO 486** Special Topics in Biology (WI) **BIO 487** Special Topics in Biology (WI) **BIO 488** Special Topics in Biology (WI) **BIO 489** Special Topics in Biology (WI)	3
MATH 121 Analytic Geometry Calculus I	4
PHYS 113 Physics Laboratory I	1
PHYS 115 College Physics I	4
Subtotal	**19**
II. Organismic & Environmental Biology	
Choose 7.5-9 credits from the following [5]:	
BIO 331 Plant Biology	4.5
BIO 308 Invertebrate Biology	4.5
BIO 309 Biology of Chordates	4.5
BIO 325 Histology	4.5
BIO 334 Comparative Physiology	4.5
BIO 403 Ecology	4.5
BIO 410 Neurobiology	3
BIO 411 Laboratory in Neurobiology	1.5
BIO 477 Evolution	3
Subtotal	**7.5-9**
III. Cell and Molecular Biology	
Choose 3.5 – 6 credits chosen from the following:	
BIO 412 Biochemistry **or** **CHEM 412** Biochemistry	3
BIO 415 Biochemistry and Molecular Biology	2
BIO 444 Genetics	4.5
BIO 452 Developmental Biology	4.5
BIO 465 Microbiology	4.5
BIO 466 Immunology	4.5
BIO 480 Theory & Experimentation (WI)	5

[3] **CHEM 231** and **CHEM 232** may be substituted for **CHEM 230** and **CHEM 235**

[4] **BTEC 489** may substitute for **BIO 486-489**

[5] **BIO** 234 and 235 may be substituted for **BIO** 334

F. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

Procedures for reviewing, updating, modifying or terminating agreement:
When any of the programs undergo any changes relevant to this agreement, this articulation agreement will be reviewed and revised as necessary by one or two faculty members of each institution's department, selected by their respective Chairpersons to represent them.

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.A. in Biology 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.

B.A. with Honors in Biology
Eligibility. Biology 202 and one 300 level Biology course; a 3.0 average in all Biology courses. Approval by the Honors Committee of the Biology Discipline.

Requirements for Graduation with Honors:
1. Successful completion of the Biology Major Discipline Requirements with a 3.0 average in all Biology courses.
2. Successful completion of 6 credits of Biology 490-493, which will include independent research under the guidance of faculty members and the presentation and approval of a thesis by the Honors Committee of the Biology Discipline.
3. Certification by the Honors Committee of the Biology Discipline.

E. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

BTEC 352 Bioinformatics	3
Subtotal	**4.5-6**
Major Discipline Requirements Total	**31-34**
Free Electives[5]	**27-24**
Total Credits Required for B.A. in Biology	**120**

[5] For the Bachelor of Arts degree, at least 90 credits must be in the liberal arts.

LaGuardia Community College

12/31/18

Dr. Paul Arcario Date
Provost and Vice President for Academic Affairs

01/23/19

Dr. Burl Yearwood Date
Chairperson, Natural Sciences Department

York College

3/12/2019

Dr. Panayiotis Meleties Date
Provost and Senior Vice President of Academic Affairs

3/12/19

Dr. Margaret MacNeil Date
Chairperson, Biology Department