

## ARTICULATION AGREEMENT FORM

### A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Fiorello H. LaGuardia Community College  
Department: Natural Sciences  
Program: Physical Science (Chemistry Track)  
Degree: A.S. in Physical Science: Chemistry

Receiving College: York College  
Department: Department of Chemistry  
Program: Chemistry  
Degree: B.S. Chemistry (Track I)

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### B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

(e.g., minimum GPA, audition/portfolio)

- Junior Standing
- Overall GPA of at least 2.0 on a 4.0 scale
- Grade of C or better in any major course to be accepted for transfer.
- Any major course with a grade of C- or less must be repeated to earn a grade of C or better (limited to one opportunity to repeat a course).
- Grade of C or higher in a credit bearing mathematics course with three or more credits\*
- Grade of C or better in Freshman Composition it's equivalent or a higher level English course\*
- York College will accept transfer credit only, not course grades.
- 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.
- During the period of this agreement, both institutions agree:
  - A) To monitor the academic performance of LAGCC students who wish to matriculate at York College under this agreement, identify problems, and work cooperatively to ensure smooth transfer with minimal academic disruption.
  - B) To notify each other concerning any contemplated curricular changes, which would affect the future of this agreement.

Total transfer credits toward the baccalaureate degree: 60

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

### C. COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

Sending College		Receiving College Equivalent		Credit Granted
Course and Title	Cr.	Course and Title	Cr.	
<i>General Education (Liberal Arts, Core Distribution) Courses</i>				
Math and Quantitative Reasoning: MAT 115 College Algebra	3	Math and Quantitative Reasoning: MATH 104 College Algebra	3	3
English Composition: ENG 101 Composition I	3	English Composition: ENGL 125 Composition I	3	3
English Composition: ENG 102 Writing through Literature	3	English Composition: ENGL 126 Composition II	3	3
World Cultures and Global Issues	3	World Cultures and Global Issues	3	3
Creative Expression	3	Creative Expression	3	3
Individual and Society	3	Individual and Society	3	3
US Experience in its Diversity	3	US Experience in its Diversity	3	3
Scientific World: SCC201 General Chemistry I	4	Scientific World: CHEM 108 Principles of Chemistry I CHEM 109 Principles of Chemistry I Lab	3.5 1.5	3 1
MAT200 PreCalculus	4	MAT 120 PreCalculus	4	4
SCC202 General Chemistry II	4	CHEM111 Principles of Chemistry II CHEM112 Principles of Chemistry II Lab	3.5 1.5	3 1
<b>SUBTOTAL</b>				<b>33</b>
<i>Specific Program Requirements (Including Prerequisites)</i>				
NSF 100 Neuroscience	2	ELEC 1000. Elective credit	2	2
MAT201 Calculus I	4	MATH 121 Analytical Geometry & Calculus I	4	4
MAT202 Calculus II	4	MATH 122 Analytical Geometry & Calculus II	4	4
SCC251 Organic Chemistry I	5	CHEM 231 Organic Chemistry I/ CHEM 232 Techniques of Organic Chemistry I	3 2	3 2
SCC252 Organic Chemistry II	5	CHEM 233 Organic Chemistry II/ CHEM 234 Techniques of Organic Chemistry II	3 2	3 2
Life and Physical Sciences: SCP231 General Physics I	4	Life and Physical Sciences: PHYS 117 University Physics I PHYS 113 Physics Laboratory I	4 1	3 1
SCP 211 Research Methods in Physical Science (Capstone)	3	CHEM 490, Independent Study	3	3
<b>SUBTOTAL</b>				<b>27</b>
<b>TOTAL =</b>				<b>60</b>

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

<u>Course and Title</u>	<u>Credits</u>
<i>General Education (Liberal Arts, Core Distribution) and Other Required Courses</i>	
College Option	
Writing Intensive (WI) course 1 of 2 at the 200-level or higher	Satisfied below by CHEM 421.
Writing Intensive (WI) course 2 of 2 at the 200-level or higher OR WRIT 302 Research and Writing for the Sciences, Math, and Technology	0-3 (not required if CHEM 462 below is taken)
Free Elective	21-24
<b>Subtotal</b>	24
<i>Prerequisite and Major Courses</i>	
CHEM 310 Inorganic Chemistry	3
CHEM 321 Physical Chemistry-Thermodynamics	3
CHEM 322 Physical Chemistry-Quantum Chemistry	3
CHEM 330 Structure and Mechanism in Biochemistry	3
CHEM 341 Instrumental Analysis I	3
CHEM 342 Instrumental Analysis II	3
CHEM 421 Physical-Inorganic Laboratory (WI)	3
MATH 221 Analytic Geometry and Calculus III	4
PHYS 118 University Physics II	4
PHYS 114 Physics Laboratory II	1
Choose 2 electives from the following lists:	6
CHEM 339 Heterocyclic Chemistry and Drug Chemistry CHEM 450 Advanced Topics in Chemistry CHEM 460 Biochemistry I CHEM 462 Experiments in Biological Chemistry (WI) CHEM 490 Independent Study I	
<b>Subtotal</b>	36
<b>TOTAL</b>	60

## **E. 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.S in Chemistry will arrange an annual information session with the LAGCC campus for interested students.

### **ADVISOR RECOMMENDATIONS:**

LaGuardia Community College students who plan to transfer into the Bachelors of Science degree in Chemistry program at York College are advised to strictly follow the Program Requirements and Program Electives listed in the proposal to satisfy the requirements for the Associates of Science degree in Physical Sciences (Chemistry Track) at LAGCC and to ensure that the maximum number of credits and required coursework are transferred to satisfy the chemistry program requirements at York College. Refer to both college websites for a list of pathways general education requirements for both the A.S and B.S chemistry programs.

## **F. ADDITIONAL INFORMATION:**

**PURPOSE:** York College and LaGuardia Community College hereby enter into this agreement is to facilitate the opportunity for students who wish to transfer from LaGuardia Community College's Associate Degree in Physical Science Chemistry Track to York College's Bachelor of Science Degree in Chemistry. The attached sections A, B, and C, of this agreement specify the conditions and requirements for admittance to York College.

**CHANGES:** 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.

**NOTICE OF CANCELLATION:** Either party may independently cancel this agreement by notifying the other party no less than one academic year before the intended date of cancellation.

York College agrees to accept into the Bachelors of Science degree program in Chemistry students from LaGuardia community college who successfully complete the Physical Sciences Chemistry track curriculum and degree requirements described in section A, B, and C of this agreement; thereby receiving an Associates of Science degree .

Effective Date:

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Dr. Paul Arcario  
Provost and Vice President for Academic Affairs  
Fiorello H. LaGuardia Community College



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Dr. Panayiotis Meleties  
Provost and Sr. Vice President for Academic  
Affairs  
York College, CUNY

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Dr. Dionne Miller, Chair  
Natural Sciences Department  
Fiorello H. LaGuardia Community College



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Dr. Ruel Z. B. Desamero, Chair  
Department of Chemistry  
York College, CUNY