

ARTICULATION AGREEMENT FORM



A. SENDING AND RECEIVING INSTITUTIONS

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

Receiving College: Brooklyn College
Department: Earth and Environmental Sciences
Program: Earth and Environmental Sciences
Degree: Bachelor of Science (B.S.)

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 or its equivalent or a higher level English course*
- **Brooklyn College** will accept transfer credit only, not course grades. At most 60 semester credits will be accepted towards the **Bachelor of Science degree in Earth and Environmental Science**
- Students eligible for transfer to **Brooklyn 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 **Brooklyn 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 *

*BC will accept all courses taken for credit at an undergraduate CUNY college with a passing grade of D- or higher, regardless of whether a specific equivalency exists. For courses that do not have an equivalent, elective credits will be granted.

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>				
ENG 101; Composition I: An Introduction to Composition and Research	3	ENGL. 1010; English Composition I	3	3
ENG 102; Composition II: Writing through Literature	3	ENGL 1012; English Composition II: Seminar in Expository Writing	3	3
MAT 115; College Algebra and Trigonometry	3	MATH. 1006; College Algebra for Precalculus	3	3
SCB 202; General Biology II	4	BIOL. 1001; General Biology I	4.5	4
Flexible Core: Creative Expression	3	Flexible Core: Creative Expression	3	3
Flexible Core: Individual and Society	3	Flexible Core: Individual and Society	3	3
Flexible Core: World Cultures and Global Issues	3	Flexible Core: World Cultures and Global Issues	3	3
Flexible Core: US Experience in its Diversity	3	Flexible Core: US Experience in its Diversity	3	3
Flexible Core: Scientific World; SCB 201 General Biology I (required)	4	BIOL. 1002; General Biology II	4.5	4
Additional Flexible Core*	2-4	Additional Flexible Core	2-4	2-4
				SUBTOTAL 31
<i>Specific Program Requirements (Including Prerequisites)</i>				
NSF 101; First Year Seminar for Natural Sciences	2	INDS. 1011; Foundations for College Success and Lifelong Learning	1	2
SCB 260; General Microbiology	4	BIOL. 3003/3004; Microbiology/Microbiology Laboratory	3+2	4
SCB 265; Ecology	4	BIOL. 3083; Principles of Ecology	3	4
SCC 201; General Chemistry I	4	CHEM. 1100; General Chemistry I	5	4
SCC 202; General Chemistry II	4	CHEM. 2100; General Chemistry II	5	4
SCG 150; Introduction to Geographic Information Systems	4	EESC. 2400; Introduction to Geographic Information System (GIS)	3	4
SCG 250; Environmental Science	4	EESC. 1201; Introduction to Environmental Science	3	4
Unrestricted Elective	3			3
				SUBTOTAL 29
				TOTAL = 60

C. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE OF SCIENCE (BS) DEGREE

<u>Course and Title</u>	<u>Credits</u>
<i>General Education (Liberal Arts, Core Distribution) and Other Required Courses</i>	
College Option Courses	0-6

Subtotal	0-6 credit
<i>Prerequisite and Major Courses (EES Majors Courses PLUS other required Science/Computational Courses)</i>	
EESC 1101, Introduction to Earth Science	3
EESC 2100, Earth Materials	3
EESC 2500, Environmental Systems	3
EESC 2200W, Sedimentology	3
EESC 3100, Introduction to Geochemistry	3
EESC 3600, Hydrogeology of Water Resources	3
EESC 3975, Structural Geology and Tectonics	3
EESC Capstone- either EESC 4010 Field Mapping OR EESC 4250 Environmental Field Investigations	3
EESC Electives-must be 3000 level or higher normally 18 credits but we accept up to 6 science credits taken in another dept. in the School of Natural and Behavioral Sciences; the dept can accept 2 of the 3 courses (6 credits max) taken at LaGCC, the three courses are SCB 260; General Microbiology, SCB 265; Ecology, or SCC 202; General Chemistry II	*12-**18
MATH 1101, Precalculus	4
MATH 1201, Calc I	4
Second computational course, can select from EESC 2600 Statistics & Data Analysis in Geosciences- 3cr, or MATH Calc II- 4cr, or CIS 1115 Introduction to Programming Using Java-4 cr	3-4 depending on which class is selected as second computational course
Subtotal EES Majors	*47 (or 48 depending on 2 nd comp course selected) **53 (or 54 depending on 2 nd comp course selected)
Subtotal BC gen ed	2
Unrestricted elective credits remaining	*11 (or 10 depending on 2 nd comp course selected) OR ** 5 (or 4 depending on 2 nd comp course selected)
TOTAL	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 Brooklyn College websites. Transfer advisers at LAGCC will promote this agreement with eligible students.

ADVISOR RECOMMENDATIONS:

LaGuardia Community College students who plan to transfer into the **Bachelor of Science** degree in **Earth and Environmental Science** program at **Brooklyn College** are advised to strictly follow the Program Requirements and Program Electives listed in the proposal to satisfy the requirements for the Associates degree in

Environmental Science at LAGCC and to ensure that the maximum number of credits and required coursework are transferred to satisfy the **Bachelor of Science** program requirements at **Brooklyn College**. Refer to both college websites for a list of pathways general education requirements for both the **Associate of Science (A.S.) in Environmental Science at LAGCC and the Bachelor of Science (B.S.) in Earth and Environmental Science** at Brooklyn College. Please see first note in appendix.

F. ADDITIONAL INFORMATION:

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

Brooklyn College agrees to accept into the **Bachelors of Science Degree program in Earth and Environment Science** students from LaGuardia community college who have successfully completed the **Environmental Science curriculum** and degree requirements as described in section A, B, and C of this agreement; thereby receiving an **Associates of Environmental Science degree** .

LaGuardia Community College students who plan to transfer into the Bachelor of Science Degree program in Earth and Environment Science at Brooklyn College are advised to follow the degree requirements listed in section A, B, and C to satisfy the requirements for the Associate of Science in Environmental Science at LAGCC and to ensure that the maximum number of credits and required coursework are transferred to satisfy the Earth and Environment Science program requirements at Brooklyn College.

G. APPENDIX:

Note: If a student transfers with an AS or an AA from LAGCC and have met the LAGCC pathway requirements they will not be required to take any additional pathway requirements at BC. If students do not, however, complete their AA or AS they will need to have their pathway transfer equivalent classes assessed and will be required to ensure that all BC pathway requirements are met before graduation.

Note: In the event that a student is using ***Intro to Oceanography (SCB 120)*** to satisfy a Pathways Flexible Core (as per the LaGCC designation), it may also count toward ***Oceanography (EESC4300)*** as part of the fulfillment of BS Earth and Envi Sci Program elective requirements at Brooklyn College. The student must present the syllabus and have the course reviewed as a transfer equivalency.

Note: In the event that a student is using ***General Microbiology (SCB 201)*** to satisfy the specific Natural Sciences requirements (as per the LAGCC designation), it also can count towards ***one of the two science courses allowed to be taken outside of the major*** as part of the fulfillment of BS Earth and Envi Sci Program elective requirements at Brooklyn College.

Note: In the event that a student is using ***Ecology (SCB 265)*** to satisfy the specific Natural Sciences requirements

Note: In the event that a student is using *General Chemistry II (SCC 202)* to satisfy the specific Natural Sciences requirements (as per the LAGCC designation), it also can count towards ***one of the two science courses allowed to be taken outside of the major*** as part of the fulfillment of BS Earth and Envi Sci Program elective requirements at Brooklyn College.

Note: In the event that a student is using *Precalculus (MAT200)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *Precalculus Mathematics (MATH. 1011)* as part of the pre-requisite requirement for the fulfillment of BS Earth and Envi Sci Program Calculus I (MATH 1201) requirement at Brooklyn College.

Note: In the event that a student is using *Calculus I (MAT201)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *Calculus I (MATH. 1201)* as part of the fulfillment of BS Earth and Envi Sci Program Calculus I (MATH 1201) requirement at Brooklyn College.

Note: In the event that a student is using *General Biology I (SCB 201)* to satisfy the specific Natural Sciences requirements (as per the LAGCC designation), it also counts towards *General Biology (BIOL 1001)* as part of the fulfillment of BS Earth and Envi Sci Program non-major science requirement at Brooklyn College.

Note: In the event that a student is using *General Physics I (SCP231)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *Calculus-Based General Physics I (PHYS 1150)* as part of the fulfillment of BS Earth and Envi Sci Program non-major science requirement at Brooklyn College.

Note: In the event that a student is using *Fundamentals of Physics I (SCP201)* to satisfy a Pathways Flexible Core (per the LAGCC designation), it also counts towards *General Physics I (PHYS 1100)* as part of the fulfillment of BS Earth and Envi Sci Program non-major science requirement at Brooklyn College.

Effective Date: Fall 2021

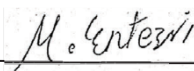
Review Date: Spring 2024



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



Dr. Anne Lopes
Provost and Sr. Vice President for Academic Affairs
Brooklyn College, CUNY



Dr. Maria Entezari, Chair
Natural Sciences Department
Fiorello H. LaGuardia Community College



Dr. Jennifer Cherrier, Chair
Department of Earth and Environmental Sciences
Brooklyn College, CUNY