



ARTICULATION AGREEMENT FORM



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: Queens College
Department: School of Earth and Environmental Sciences
Program: Environmental Science
Degree: Bachelors of Arts or Science (B. A. or B.S.)

A. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

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

This articulation is valid for students who complete the A.S. degree in Environmental Science. According to CUNY policy all passing grades are transferable. For coursework that does not meet the minimum grade for the major, it will become blanket credit. Only courses with a grade of C or better will be considered towards the major requirements.

- Students eligible for transfer to Queens 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 Queens 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 the curricular changes, which would affect the future of this agreement.

Total transfer credits toward the baccalaureate degree: 60-63

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

B. 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 & Research	3	ENGL 110; College Writing I	3	3
ENG 102; Composition II: Writing through Literature	3	ENGL 130; Writing about Literature in English	3	3
MAT 115; College Algebra & Trigonometry	3	MATH 115; College Algebra for Precalculus	3	3
SCB 201; General Biology I	4	BIOL 105; General Biology I	4	4*
Flexible Core: Creative Expression	3	Flexible Core: Creative Expression	3	3
Flexible Core: Individual & Society	3	Flexible Core: Individual & Society	3	3
Flexible Core: World Cultures & Global Issues	3	Flexible Core: World Cultures & 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; General Biology II (recommended)	4	BIOL 106; General Biology II	4	4 *
Additional Flexible Core	3-4	Additional Flexible Core	3-4	3-4
SUBTOTAL 31-33				
<i>Specific Program Requirements (Including Prerequisites)</i>				
NSF 101; First Year Seminar for Natural Sciences	2	Elective Credit	2	2
SCB 260; General Microbiology	4	BIOL 201; General Microbiology	4	4*
SCB 265; Ecology	4	Elective Credit	4	4
SCC 201; General Chemistry I	4	CHEM 113.4; General Chemistry I (Lecture) And CHEM 113.1; General Chemistry I (Lab)	5	4*
SCC 202; General Chemistry II	4	CHEM 114.4; General Chemistry II (Lecture) And CHEM 114.1; General Chemistry II (Lab)	5	4*

SCG 150; Introduction to Geographic Information Systems	4	GEOL 383; Special Topics in Geology	4	4
SCG 250; Environmental Science	4	ENSCI 100; Our Planet in the 21st Century	4	4*
Unrestricted Elective	3-4	Unrestricted Elective	3-4	3-4
SUBTOTAL				29-30
TOTAL =				60-63

The equivalencies are based on the assumption that the student has completed their Associate's degree. Course equivalency information will be entered in both the University Course Guide database and the Website. When the receiving college awards transfer credit for either a block of courses or for an entire program rather than for individual courses, it may not be necessary to list individual course equivalencies.

*These courses count towards the QC Env. Science Introductory and Supporting Courses

+These courses counts towards the QC Env. Science Additional Supporting Science for the B.S.

C. 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 Literature with Writing	3 credits
College Option Language	3 credits
2nd Writing Intensive will be covered in Ensci 373W (so no additional credits)	
Subtotal	6 credits
<i>Prerequisite and Major Courses</i>	
Geology 101-Historical Geology	4 credits
Physics 121.4 and 121.1 - General Physics I, General Physics I Laboratory	5 credits
Math 122- Pre-Calculus	3 credits (not toward major)
Math 141 or 151- Calculus/Differentiation, Calculus/Differentiation and Integration	3 or 4 credits
Ensci 200 -Earth System Science	3 credits
Two additional Advanced Courses	6 credits
Ensci 373W -Capstone – Environmental Problem Solving	3 credits
Subtotal	24-25

<i>Additional Required Credits</i> <i>If you are completing the B.A. degree you will complete these set of credits. For the B.S. degree see below.</i>	6 more credits in Geo or Ensci to reach the 16 credit SEES residency requirement (see below) Electives, courses towards minor or double major to bring total courses to 120 credits
Subtotal	29-30
<i>For the B.S. add (and subtract from Additional Required Credits):</i>	
One more Core Class (from Geo 208, Geo 210, Geo 216, and Urbstd 230)	3 credits
Two more Advanced Courses (Geo or Ensci 3XX)	6 credits
7 more credits of Additional Supporting Sciences (including Stats)	7 credits
Subtotal	16
TOTAL	60

D. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

Procedures for reviewing, up-dating, modifying or terminating agreement:

- This agreement is effective for three academic years from the date of implementation (Effective Date below). Unless it is renewed in the third year, the agreement will expire.
- When any of the programs within this agreement undergo any changes relevant to this agreement, the agreement will be reviewed and revised as necessary by the Curriculum Committees of both the sending and receiving program. Minimally, the agreement will be reviewed at least once a year with particular attention directed to any curricular changes at the sending and/or receiving departments.

Procedures for evaluating agreement, e.g., tracking the number of students who transfer under the articulation agreement and their success:

- Both the Advising Offices and the Institutional Effectiveness Offices from each campus will keep data on the academic progress of the transfer student

Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisers, Websites, etc.:

- Notices of Articulation will be placed in respective catalogues, recruiting brochures, and websites
- Respective Transfer and Academic Advisors will be informed about and provided copies of this agreement

- Members of the Senior College Enrollment Management Division will have this agreement and attend recruitment events at the Sending Institution.

Additional information regarding General Education:

- This agreement is deemed to be consistent with the CUNY Pathways General Education curriculum, and will be updated whenever necessary in keeping with changes in the Pathways curriculum.
- General Education at Queens College requires up to a total of twelve (12) credits of additional Pathways classes as part of the College Option. (This number is reduced to six (6) credits for students who have completed their Associate's Degree.)
- In addition, all students must take three (3) Writing Intensive (W) classes. (This number is reduced to two (2) classes for students who have completed their Associate's Degree.) A number of Pathway's classes at Queens College are also W classes, and most majors include one or more W classes, so the writing requirement need not add additional general education credits.
- Finally, there is a residency requirement: Students must complete at least 45 credits on Queens College campus to earn a Queens College degree. SEES requires transfer students take at least 16 credits of Geo and Ensci classes at QC in order to get a SEES degree. All transfers from LAGCC will need Geo 101, Ensci 200, and Ensci 373W (for a total of 10 credits), so this will require 6 more credits (2 additional courses in Ensci or Geo) which may be electives for BA students and may be electives, additional Core Courses, or and additional Advanced Courses for the BS.

Appendix:

Note: In the event that a student is using *Elementary Statistics I (MAT120)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *Elementary Probability and Statistics (MATH114)* as part of the fulfillment of major credit within the category of Additional Supporting Science at Queens 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/Differentiation & Integration (MATH151)* as part of the fulfillment of major credit within the category of Supporting Sciences at Queens College.

Note: In the event that a student is using *Calculus II (MAT202)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *Calculus II/Integration & Infinite Series (MATH152)* as part of the fulfillment of major credit within the category of Additional Supporting Science at Queens College.

Note: In the event that a student is using *Fundamentals of Physics I (SCP231)* to satisfy a Pathways Flexible Core (as per the LAGCC designation), it also counts towards *General Physics I (PHYS121.4)* and *General Physics I Laboratory (PHYS121.1)* as part of the fulfillment of major credit within the category of Supporting Science at Queens College.

Note: In the event that a student is using *Fundamentals of Physics II (SCP202)* to satisfy a Pathways Flexible Core (per the LAGCC designation), it also counts towards *General Physics II (PHYS122.4)* and *General Physics II Laboratory (PHYS122.1)* as part of the fulfillment of major credit in the category of Additional Supporting Science at Queens College.

Advisor recommendations:

LaGuardia Community College students who plan to transfer into the Bachelor of Science degree in Environmental Science at Queens 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 Queens College.

Furthermore, it is strongly recommended that students at LAGCC utilize the additional flexible core course (under general education) and unrestricted elective course (under specific program requirements) to fulfill courses that will transfer as major credits in the Environmental Science Program at Queens and strengthen their preparation for the Queens Environmental Science curriculum. Such courses are outlined in the appendix above and include *Elementary Statistics (MAT120)*, *Calculus I (MAT201) and II (MAT202)*, and *Fundamentals of Physics I (SCP231) and II (SCP232)*.

Signature page:

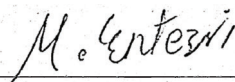
For the Sending College:



Signature of Chief Academic Officer
(Paul Arcario, Provost)

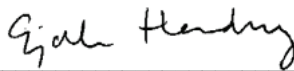


Signature and Title of Academic Affairs Officer
(Dionne Miller, Assoc Dean for Academic Affairs)



Signature of Department Chairperson
(Maria Entezari, Chairperson)

For the Receiving College:



(Elizabeth Hendrey, Provost)



Signature and Title of Academic Affairs Officer
(Alicia Alvero, Assoc. Provost)



Signature of Department Chairperson
(Jeffrey Bird, Chairperson)

Effective Date: Fall 2022

(determined by the Chief Academic Officers)

