



**ARTICULATION AGREEMENT BETWEEN  
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, ON BEHALF OF ITS  
SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES  
AND FIORELLO H. LAGUARDIA COMMUNITY COLLEGE**

Effective Date: Sept 1, 2023  
Review Date: Sept 1, Fall 2025

Rutgers, The State University of New Jersey (Rutgers), on behalf of its School of Environmental and Biological Sciences (SEBS), and Fiorello H. LaGuardia Community College (LaGCC) (collectively, hereafter the “parties” and singularly the “party”) enter into this Articulation Agreement to facilitate the enrollment of students completing the LaGuardia Associate of Science (A.S.) program of study in Environmental Sciences, Animal Science track, into SEBS’ Animal Science major culminating in a Bachelor of Science (B.S.) degree.

The purpose of this document is to establish and affirm the relationship and obligations outlining responsibilities to ensure that credits students earn at LaGCC will transfer to Rutgers and meet graduation requirements for the B.S. in Animal Science at Rutgers. The goals of this articulation process are to:

- Provide students with academic coursework that will allow them to earn college credit toward completion of a B.S. in Animal Science at Rutgers; and
- Assist students in transitioning from LaGCC to Rutgers.

Subject to terms of this agreement, students who successfully complete the A.S. degree in Environmental Sciences, Animal Science track from LaGCC and then enroll at Rutgers’ Animal Science Program will be awarded credits for the following:

**A. SENDING AND RECEIVING INSTITUTIONS**

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

Receiving Institution: Rutgers, The State University of New Jersey  
 Department: School of Environmental and Biological Sciences  
 Program: Animal Science  
 Degree: Bachelor of Science (B.S.)

## B. ADMISSION REQUIREMENTS FOR RECEIVING INSTITUTION

- Completion of the A.S. in Environmental Science, Animal Science track.
- Rutgers will accept transfer credit only, not course grades. 60 semester credits will be accepted towards the B.S. degree in Animal Science.
- Students eligible for transfer to Rutgers under this Agreement must have met at least the minimum requirements for admission to LaGCC, including a US high school diploma or its equivalent.
- Students must meet admission criteria at Rutgers as detailed in [SEBS Transfer Admissions](#).

Total transfer credits toward the baccalaureate degree: **60**

Total additional credits required at the receiving institution to complete baccalaureate degree: **60**

Total credits required for the baccalaureate degree: **120**

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

Sending Institution		Receiving Institution Equivalent		Credit Granted
Course and Title	Cr.	Course and Title	Cr.	Cr.
<i>General Education (Liberal Arts, Core Distribution) Courses</i>				
ENG101 Composition I: An Introduction to Composition and Research	3	01:355:100 Basic Composition	3	3
ENG102 Composition II: Writing through Literature	3	01:355:101 Expository Writing	3	3
MAT115 College Algebra and Trigonometry	3	Qualifies as E-credit*	3	3
SCB201 General Biology I	4	01:119:115: General Biology	4	4
Flexible Core: Creative Expression (Pick one from below)** HUC106 Public Speaking ENN198 Introduction to Creative Writing HUA101 Introduction to Art	3	(Pick one from below) 04:192:220: Fundamentals of Public Speaking 01:351:211,212 Introduction to Creative Writing 01:082:105 Introduction to Art History, Pre-history to 1400	3	3
Flexible Core: Individual and Society (Pick one from below)** SSN182 Urban Anthropology SSS100 Introduction to Sociology	3	(Pick one from below) 01:830:101 General Psychology Elective credit in Psychology	3	3

Flexible Core: World Cultures and Global Issues (Pick one from below) ** SCN194 HIV/Aids, Science and Society SSA101 Cultural Anthropology OR SSP200 Global Politics	3	(Pick one from below) 01:988:332 The Color of AIDS 01:070:101 Culture and Social Life 01:790:102 Introduction to International Relations	3	3
Flexible Core: US Experience in its Diversity (Pick one from below)** HUN196 Film and New York City SSN240 History of New York City SSN280 Urban Black Psychology	3	(Pick one from below) 01:082:275 Cinema and the City 01:830:XXX (Elective credit in Psychology) 01:070:302 Culture and the Environment	3	3
Flexible Core: Scientific World** SCB202: General Biology II (required)	4	01:119:116 General Biology	4	4
Additional Flexible Core MAT200 Precalculus	4	01:640:111 Precalculus I and 01:640:112 Precalculus II (2+2) OR 01:640:115 Precalculus College Mathematics	4	4
<b>SUBTOTAL = 33</b>				
<b><i>Specific Program Requirements (Including Prerequisites)</i></b>				
NSF101 First Year Seminar for Natural Sciences	2	Elective Credit	2	2
SCC201 General Chemistry I	4	01:160:161 General Chemistry	4	4
SCC202 General Chemistry II	4	01:160:162 General Chemistry	4	4
SCB257 Genetics	4	11:067:328 Animal Genetics	3	3 + 1
SCB260 General Microbiology	4	11:680:201 Introduction to Microbiology and 11:680:202 Introduction to Microbiology Laboratory	4	4
SCG252 Animal Behavior and Ethics	3	11:216:441 Animal Behavior	3	3
SCB212 Integrative Animal Physiology (Capstone)	4	11:067:300 Integrative Physiology	4	4
Unrestricted elective	2			2
<b>SUBTOTAL = 27</b>				
<b>TOTAL = 60</b>				

\* The symbol E preceding course credits indicates no credit earned toward the degree and no grade computed in the cumulative grade-point average ([https://catalogs.rutgers.edu/generated/nb-ug\\_current/pg1423.html](https://catalogs.rutgers.edu/generated/nb-ug_current/pg1423.html)).

However, this course will be counted towards the overall 60 credit total.

\*\* These are the recommended courses for LaGCC students for completion of the School of Environmental and Biological Sciences (SEBS) core that have equivalencies at Rutgers. However, this articulation allows for a waiver of the SEBS core requirement in lieu of the Associate Degree.

**Note:** If Animal Science students at LaGCC have already taken Vertebrate Anatomy and Physiology I and II (SCB208 (3cr) and SCB209 (3cr)), then these two courses would transfer to Rutgers as Comparative Mammalian Anatomy 11:067:391 (3cr).

#### D. RECEIVING INSTITUTION 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>	
SEBS Option	
Note: SEBS core curriculum is waived as per the Articulation Agreement.	
<b>Subtotal</b>	
<i>Prerequisite and Major Courses</i>	
<b>Pre-Veterinary Medicine and Research</b>	
11:067:142 Introduction to Animal Sciences	3
11:067:330 and 11:067:331 Animal Nutrition and Laboratory	3+1
11:067:327 Animal Reproduction	3
01:160:307,308,311 Organic Chemistry I, II, and Laboratory	4 + 4 + 2
11:115:403,404 General Biochemistry	4 + 3
01:960:401 Basic Statistics for Research	3
11:680:390 General Microbiology	4
01:640:135 Calculus I <i>OR</i> 151 Calculus I for the Mathematical and Physical Sciences	4
01:750:193,194 Physics for the Sciences <i>OR</i> 203,206 General Physics <i>OR</i> 201,202 Extended General Physics	4 + 4
Two Pre-Vet course electives	6
7 credits of Experience-based education	7
6 credits of Advisor approved electives	6
<b>Total remaining credits for Pre-vet medicine and research track</b>	<b>62-65</b>
<b>Companion Animal Science</b>	
11:067:142 Introduction to Animal Sciences	3
11:067:330 and 11:067:331 Animal Nutrition and Laboratory	3 + 1
11:067:327 Animal Reproduction	3

01:160:209,211 Elementary Organic Chemistry and Laboratory	3 + 1
11:115:301,313 Introduction to Biochemistry and Laboratory	3 + 1
11:067:101 Careers in Animal Science	3
11:067:250 Companion Animal Science	3
11:067:404 Animal Diseases	3
11:373:121 Principles and Applications of Microeconomics OR 01:220:102 Introduction to Microeconomics	3
11:373:122 Principles and Applications of Macroeconomics OR 01:220:103 Introduction to Macroeconomics	3
2 Behavior elective courses	6
7 credits of Experience-based education	7
2 credits of Advisor-approved electives	2
<b>Total remaining credits for Companion Animal Science track</b>	<b>58-60</b>
<b>Equine and Production Animal Science</b>	
11:067:142 Introduction to Animal Sciences	3
11:067:330 and 11:067:331 Animal Nutrition and Laboratory	3 + 1
11:067:327 Animal Reproduction	3
11:067:336 Production Animal Management	3
11:067:384 Horse Management	3
11:067:406 Farm Productivity Analysis in the Animal Sciences	3
01:960:285 Introductory Statistics for Business	3
11:373:121 Principles and Applications of Microeconomics OR 01:220:102 Introduction to Microeconomics	3
11:373:122 Principles and Applications of Macroeconomics OR 01:220:103 Introduction to Macroeconomics	3
11:373:231 Introduction to Marketing OR 11:020:305 Starting and Managing a Small Farm	3
11:373:241 Introduction to Management	3
33:010:272 Introduction to Financial Accounting OR 11:373:200 Agricultural Accounting	3
7 credits of Experience-based education	7
6 credits of Advisor-approved electives	6
6 credits of upper-level science electives	6
<b>Total remaining credits for Equine and Production Animal Science track</b>	<b>56</b>

<b>Laboratory Animal Science</b>	
11:067:142 Introduction to Animal Sciences	3
11:067:330 and 11:067:331 Animal Nutrition and Laboratory	3 + 1
11:067:327 Animal Reproduction	3
01:160:307,308,311 Organic Chemistry I, II, and Laboratory	4 + 4 + 2
01:960:401 Basic Statistics for Research	3
11:680:390 General Microbiology	4
11:067:275 Laboratory Animal Science: Management and Techniques	3
11:067:205 Lab Animal Practicum	2
11:067:404 Animal Diseases	3
11:067:430 Animal Microtechniques and Tissue Culture	4
11:373:121 Principles and Applications of Microeconomics	3
7 credits Experience-based education; must include 2 credits of 11:067:205 Laboratory Animal Practicum	7
6 credits of Advisor-approved electives	6
<b>Total remaining credits for Lab Animal Science track</b>	<b>55</b>

**E. The terms of this agreement are as follows:**

**LaGuardia Community College will:**

1. Offer the program of study leading to an A.S. in Environmental Science, Animal Science track.
2. Communicate the details of this Agreement to administrators and faculty of the Environmental Science program, Animal Science track.
3. Appoint a contact person at LaGCC responsible for communicating with Rutgers about this Agreement.
4. Communicate with students about this Agreement to facilitate transfer to Rutgers.
5. Require all the courses listed in this Agreement culminating in the A.S. degree that will be the basis for transfer to Rutgers.
6. Communicate with students concerning the admissions requirements at Rutgers, as well as application dates and requirements.

**Rutgers will:**

1. Communicate details of this Agreement to admissions staff, registrar, the animal science department, and school administrators.
2. Award 60 credits upon the students completing all the requirements as outlined in this Agreement.
3. Ensure that the credits are recorded on the students' Rutgers transcript.
4. Appoint a contact person at Rutgers responsible for communicating with LaGCC about this Agreement.
5. Provide promotional literature about the Rutgers Animal Science major to LaGCC for purposes of marketing this Agreement to students.

**The parties agree that:**

- The goals of this Articulation Agreement are:

- For students who earn the LaGCC A.S. in Environmental Science, Animal Science track, transfer and apply 60 credits to the 120 credit graduation requirement for the B.S. in Animal Science at Rutgers University.
- To waive the SEBS Core Curriculum requirement for transfer students who have earned the LaGCC A.S. degree.
- To clearly spell out the Animal Science course requirements for completion of a B.S. degree in any of one of the four Animal Science options.
- 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. Any agreed-upon changes must be signed, dated, and attached to this original Agreement. It is highly recommended that the responsible parties at both institutions jointly review sections B, C, and D of this Agreement at least every two (2) years.
- Either party may independently cancel this Agreement by notifying the other party no less than one (1) academic year before the intended date of cancellation.

**Advisor Recommendations:**

LaGCC students who plan to transfer into the B.S. in Animal Sciences program at Rutgers are advised to strictly follow the Program Requirements and Program Electives listed in the Agreement to satisfy the requirements for the A.S. degree in Environmental Science (Animal Science track) at LaGCC and to ensure that the maximum number of credits and required coursework are transferred to satisfy the B.S. in Animal Sciences program requirements at Rutgers. Refer to both institution's websites for a list of pathways general education requirements for both the A.S. in Environmental Science at LaGCC and the B.S. in Animal Sciences at Rutgers.

**F. ADDITIONAL INFORMATION:**

None

**Signature page:**

**For Fiorello H. LaGuardia Community College:**

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Maria Entezari  
Chairperson, Natural Sciences  
  
Date: 01/18/2023  
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Dionne Miller  
Associate Dean for Academic Affairs  
  
Date: 01/19/2023  
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Billie Gastic Rosado  
Provost and Senior Vice President  
for Academic Affairs  
Date: 01/23/2023  
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**For Rutgers, The State University of New Jersey:**

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Laura Lawson  
Executive Dean  
School of Environmental and Biological Sciences  
Date: 12/22/2022  
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Francine Conway  
Chancellor-Provost  
Rutgers University–New Brunswick  
Date: 01/05/2023  
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Prabhav V. Moghe  
Executive Vice President for Academic Affairs  
  
Date: 01/12/2023  
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