

KINGSBOROUGH COMMUNITY COLLEGE  
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Biological Sciences Date: 3/12/19

Title Of Course/Degree/Concentration/Certificate: A.S. Biology

Change(s) Initiated: (Please check)

- |   |   |
|---|---|
| <input type="checkbox"/> Closing of Degree            | <input checked="" type="checkbox"/> Change in Degree or Certificate                   |
| <input type="checkbox"/> Closing of Certificate       | <input type="checkbox"/> Change in Degree: Adding Concentration                       |
| <input type="checkbox"/> New Certificate Proposal     | <input type="checkbox"/> Change in Degree: Deleting Concentration                     |
| <input type="checkbox"/> New Degree Proposal          | <input type="checkbox"/> Change in Prerequisite, Corequisite, and/or Pre/Co-requisite |
| <input type="checkbox"/> New Course                   | <input type="checkbox"/> Change in Course Designation                                 |
| <input type="checkbox"/> New 82 Course (Pilot Course) | <input type="checkbox"/> Change in Course Description                                 |
| <input type="checkbox"/> Deletion of Course(s)        | <input type="checkbox"/> Change in Course Title, Number, Credits and/or Hours         |
|   | <input type="checkbox"/> Change in Academic Policy                                    |
|   | <input type="checkbox"/> Pathways Submission:   |
|   | <input type="checkbox"/> Life and Physical Science                                    |
|   | <input type="checkbox"/> Math and Quantitative Reasoning                              |
|   | <input type="checkbox"/> A. World Cultures and Global Issues                          |
|   | <input type="checkbox"/> B. U.S. Experience in its Diversity                          |
|   | <input type="checkbox"/> C. Creative Expression                                       |
|   | <input type="checkbox"/> D. Individual and Society                                    |
|   | <input type="checkbox"/> E. Scientific World  |
- Change in Program Learning Outcomes
- Other (please describe): \_\_\_\_\_

PLEASE ATTACH MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

DEPARTMENTAL ACTION

Action by Department and/or Departmental Committee, if required:

Date Approved: 3/13/18 Signature, Committee Chairperson: Kristi Polimatto (me)

If submitted Curriculum Action affects another Department, signature of the affected Department(s) is required:

Date Approved: \_\_\_\_\_ Signature, Department Chairperson: \_\_\_\_\_

Date Approved: \_\_\_\_\_ Signature, Department Chairperson: \_\_\_\_\_

I have reviewed the attached material/proposal

Signature, Department Chairperson: Mary E. Dan



TO: SPRING 2019 Curriculum Committee, Kingsborough Community College

FROM: Mary E. Dawson, Ph.D. Professor and Chair, Department of Biological Sciences

DATE: March 13, 2019

RE: Change in Degree Requirements for A.S. Biology

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The Department of Biological Sciences is proposing a change degree requirements for A.S. Biology

**Change:**

1. Addition of MAT 9A0, Algebra for STEM Majors, under Required Core, Mathematics and Quantitative Reasoning
1. Adjustment in Flexible Core Range **from** 20 credits **to** 19 credits due to the change in credits for MAT 1400, Analytic Geometry & Pre-Calculus Math, from 4-credits to 3-credits
2. Adjustment in Elective credits **from** 7 – 8 **to** 8 – 9 to accommodate the changes to #2.

**Rationale for Change:**

These changes are necessary based on the proposed new course, MAT 9A0, Algebra for STEM Majors, and the change in credits for MAT 1400, Analytic Geometry & Pre-Calculus Math proposed by the Department of Mathematics and Computer Science to the Spring 2019 Curriculum Committee.

<b>Add/Delete/Change</b>	<b>A.S. BIOLOGY</b>	
	HEGIS: 5604.00	
	PROGRAM CODE: 0103	
	<b>CUNY CORE</b>	<b>CREDITS</b>
	<b>REQUIRED CORE:</b> (4 Courses, 13 Credits)	13
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
	Mathematical & Quantitative Reasoning*:	3
<b>ADD</b>	MAT 900 - College Algebra OR	
<b>ADD</b>	MAT 9A0 - Algebra for STEM Majors	
	Life and Physical Sciences*: BIO 1300 – General Biology I	4
<b>CHANGE</b>	<b>FLEXIBLE CORE:</b> (6 Courses, 20-19 Credits)	20-19
	When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
	A. World Cultures and Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	E. Scientific World*: BIO 1400 – General Biology II	
<b>CHANGE (CREDITS)</b>	MAT 1400 - Analytic Geometry and Pre-Calculus Math	
	<b>DEPARTMENT REQUIREMENTS</b> (3 Courses, 11 to 12 Credits)	
	CHM 1100 – General Chemistry I	4
	CHM 1200 - General Chemistry II	4
	CP 1100 - Introduction to Computers and Computer Applications (4 crs) or	4 - 3
	BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)	
	<b>CONCENTRATIONS:</b> (2 Courses, 8 Credits)	8
	Select <b>one (1)</b> of the following concentrations:	
	<b>Biology Transfer:</b> (2 Courses, 8 Credits)	
	Select <b>two (2)</b> of the following Biology Laboratory courses:	
	BIO 2100 - Comparative Anatomy (4 crs.) or	
	BIO 2200 - Developmental Biology (4 crs.) or	



<b>Add/Delete/Change</b>	<b>A.S. BIOLOGY</b>	
	HEGIS: 5604.00	
	PROGRAM CODE: 0103	
	<b>CUNY CORE</b>	<b>CREDITS</b>
	<b>REQUIRED CORE:</b> (4 Courses, 13 Credits)	13
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
	Mathematical & Quantitative Reasoning*:	3
	MAT 900 - College Algebra OR	
	MAT 9A0 - Algebra for STEM Majors	
	Life and Physical Sciences*: BIO 1300 – General Biology I	4
	<b>FLEXIBLE CORE:</b> (6 Courses, 19 Credits)	19
	When Flexible Core Courses are specified for a category, they are required for the major. One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline.	
	A. World Cultures and Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	E. Scientific World*: BIO 1400 – General Biology II	
	MAT 1400 - Analytic Geometry and Pre-Calculus Math	
	<b>DEPARTMENT REQUIREMENTS</b> (3 Courses, 11 to 12 Credits)	
	CHM 1100 – General Chemistry I	4
	CHM 1200 - General Chemistry II	4
	CP 1100 - Introduction to Computers and Computer Applications (4 crs) or	4 - 3
	BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)	
	<b>CONCENTRATIONS:</b> (2 Courses, 8 Credits)	8
	Select <b>one (1)</b> of the following concentrations:	
	<b>Biology Transfer:</b> (2 Courses, 8 Credits)	
	Select <b>two (2)</b> of the following Biology Laboratory courses:	
	BIO 2100 - Comparative Anatomy (4 crs.) or	
	BIO 2200 - Developmental Biology (4 crs.) or	
	BIO 5000 - General Microbiology (4 crs.) or	

