KINGSBOROUGH COMMUNITY COLLEGE The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Biological Sciences	Date: March 1, 2018
Title Of Course Or Degree: AS Biology	
Change(s) Initiated: (Please check) Closing of Degree Closing of Certificate New Certificate Proposal New Degree Proposal New Course New 82 Course Deletion of Course	Change in Degree or Certificate Requirements Change in Degree Requirements (adding concentration) Change in Pre/Co-Requisite Change in Course Designation Change in Course Description Change in Course Title, Numbers Credit and/or Hour Change in Academic Policy Pathways Submission: Life and Physical Science Math and Quantitative Reasoning A. World Cultures and Global Issues B. U.S. Experience in its Diversity C. Creative Expression D. Individual and Society E. Scientific World
☐ Other (please describe):	
PLEASE ATTACH MATERIAL TO ILL	USTRATE AND EXPLAIN ALL CHANGES
DEPARTMENTAL ACTION	
Action by Department and/or Department	
Date Approved: 3/1/18 Sig	gnature, Committee Chairperson:
I have reviewed the attached mater	Mar Ella
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Department of Biological Sciences

To:

Curriculum Committee, Kingsborough Community College

From: Mary E. Dawson, PhD, Professor and Chair M.

Date: February 28, 2018

Re: Change in Degree Requirements, AS Biology

Statement of the Problem

The AS Biology degree, as currently listed in the college catalog, indicates Mat 1400 as a degree requirement under Required Core. Mat 1400 has a pre-requisite of Mat 900, and therefore, Mat 900 is a hidden pre-requisite. This puts the degree out of compliance with the CUNY policy on hidden prerequisites.

Changes in Degree Requirements

The degree requirements for the AS Biology degree will be amended to indicate both Mat 900 and Mat 1400 as degree requirements under Required Core. This change will reduce the number of elective credits in the degree from 10-11 to 7-8.

CURRENT

Add/Delete/Change	ge A.S. BIOLOGY	
	HEGIS: 5604.00	
	PROGRAM CODE: 0103	
	CUNY CORE	CREDITS
CHANGE	REQUIRED CORE: (4 Courses, 14 13 Credits)	14 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
CHANGE	Mathematical & Quantitative Reasoning*: MAT 1400 Analytic Geometry and Pre-Calculus Math MAT 900 - College Algebra	4 3
	Life and Physical Sciences*: BIO 1300 – General Biology I	4
	FLEXIBLE CORE: (6 Courses, 20 Credits)	20
	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	
CHANGE	CHM 1100 — General Chemistry MAT 1400 - Analytic Geometry and Pre-Calculus Math	
	DEPARTMENT REQUIREMENTS (2 3 Courses, 7 11 to 8 12 Credits)	
ADD	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.)	
	CONCENTRATIONS: (2 Courses, 8 Credits)	8
	Select one (1) of the following concentrations:	
	Biology Transfer: (2 Courses, 8 Credits)	
	Select two (2) 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	

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	BIO 5200 - Marine Biology (4 crs.) or	T
	BIO 5300 - Ecology (4 crs.) or	
	BIO 5800 - Recombination DNA Technology (4 crs.) or	ļ
	BIO 5900 – Genetics (4 crs.) or	<u> </u>
	BIO 6500 - Molecular and Cellular Biology (4 crs.)	
	OR	
	Allied Health Transfer (2 Courses, 8 Credits):	
	BIO 1100 - Human Anatomy and Physiology I (4 crs.)	
	BIO 1200 - Human Anatomy and Physiology II (4 crs.)	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CHANGE	ELECTIVES: 10 - 11 7 - 8 credits sufficient to meet the required total 60 credits for the degree.	10-11-7 - 8
	Allied Health Transfer Option, Suggested Elective:	•
	BIO/MAT 9100 – Biostatistics (4 crs.)	
	Transfer to a Physician Assistant Program, Suggested Elective:	
	BIO 5100 – Microbiology in Health and Disease (4 crs.)	
	more strongy in risulation bloods (4 013.)	
	TOTAL CREDITS: 60	60
	*This program has a waiver to require particular courses in the Common Core, otherwise more	
	than the minimum credits for the degree may be necessary.	
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PROPOSED

Add/Delete/Change	A.S. BIOLOGY	
	HEGIS: 5604.00	
	PROGRAM CODE: 0103	
	·	
	CUNY CORE	CREDIT
	REQUIRED CORE: (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*: MAT 900 - College Algebra	3
	Life and Physical Sciences*: BIO 1300 – General Biology I	4
	FLEXIBLE CORE: (6 Courses, 20 Credits)	20
	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	1
	MAT 1400 - Analytic Geometry and Pre-Calculus Math	
	DEDARTMENT REQUIREMENTS (2 Courses 44 to 40 Co. 1/4)	
	DEPARTMENT REQUIREMENTS (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.)	
	CONCENTRATIONS: (2 Courses, 8 Credits)	8
	Select one (1) of the following concentrations:	1
	colections (1) of the following concentrations.	
A	Biology Transfer: (2 Courses, 8 Credits)	
	Select two (2) 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	
	BIO 5200 - Marine Biology (4 crs.) or	
	BIO 5300 - Ecology (4 crs.) or	

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	BIO 5800 - Recombination DNA Technology (4 crs.) or	T
	BIO 5900 – Genetics (4 crs.) or	
	BIO 6500 - Molecular and Cellular Biology (4 crs.)	-
	2.0 0000 Molecular and Ochalar Biology (+ 0.3.)	
	OR	
	Alliad Haalth Turnafan (O.O., 1914)	
	Allied Health Transfer (2 Courses, 8 Credits):	
	BIO 1100 - Human Anatomy and Physiology I (4 crs.)	
	BIO 1200 - Human Anatomy and Physiology II (4 crs.)	
	ELECTIVES : 7 - 8 credits sufficient to meet the required total 60 credits for the degree.	7 - 8
	Allied Health Transfer Option, Suggested Elective:	
	BIO/MAT 9100 – Biostatistics (4 crs.)	
	Transfer to a Physician Assistant Program, Suggested Elective:	
	BIO 5100 – Microbiology in Health and Disease (4 crs.)	
·	Die Cros Milorobiology in Fricalan and Discase (4 crs.)	
	TOTAL CREDITS: 60	00
	TOTAL GREDITO. 00	60
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