KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Biological Sciences **Date:** 9/21/2020

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

Change(s) Initiated: (Please check)

- ☐ **Closing of Degree**
- ☐ **Closing of Certificate**
- ☐ **New Certificate Proposal**
- ☐ **New Degree Proposal**
- ☐ **New Course**
- ☐ **New 82 Course (Pilot Course)**
- ☐ **Deletion of Course(s)**
- ☐ **Change in Degree or Certificate**
- ☐ **Change in Degree: Adding Concentration**
- ☐ **Change in Degree: Deleting Concentration**
- ☐ **Change in Prerequisite, Corequisite, and/or Pre/Co-requisite**
- ☐ **Change in Course Designation**
- ☐ **Change in Course Description**
- ☐ **Change in Course Title, Number, Credits and/or Hours**
- ☐ **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**
- ☐ **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: 9.21.2020 **Signature, Committee Chairperson:** farshad tamari

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 dawson

Revised/Augl.2018/AK

KINGSBOROUGH
COMMUNITY COLLEGE
★ DREAMS BEGIN HERE ★

TO: FALL 2020 Curriculum Committee

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

DATE: September 21, 2020

RE: Change Degree Requirements for the A.S. Biotechnology

The Department of Biological Sciences is proposing a change in degree requirements for the A.S. Biotechnology.

Change:

1. Addition of MAT 9B0 – College Algebra for STEM Majors, under Required Core: Mathematics and Quantitative Reasoning (MQR)

Rationale for Change:

These changes are necessary based on the proposed new course, MAT 9B0 – College Algebra for STEM Majors, by the Department of Mathematics and Computer Science to the Fall 2020 Curriculum Committee.

CURRENT

Add/Delete/Change	**A.S. BIOTECHNOLOGY**	
	HEGIS: 5407.00	
	PROGRAM CODE: 33155	
	CUNY CORE	**CREDITS**
	REQUIRED CORE: (4 Courses, 13 Credits)	**13**
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - Composition I	3
	ENG 2400 - Composition II	3
	Mathematical & Quantitative Reasoning*:	3
ADD	**MAT 9B0 - College Algebra for STEM Majors or**	
	MAT 900 - College Algebra	
	Life and Physical Sciences*:	4
	BIO 1300 – General Biology I	
	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/MAT 9100 - Biostatistics	
	BIO 1400 - General Biology II	
	DEPARTMENT REQUIREMENTS (6 Courses, 23 Credits)	**23**
	BIO 5000 - General Microbiology **or**	4
	BIO 5900 - Genetics	
	BIO 5800 - Recombinant DNA Technology **or**	4
	BIO 5700 - Biotechnology: Cell Culture and Cloning	
	BIO 6500 - Molecular and Cellular Biology	4
	CHM 1100 - General Chemistry I	4
	CHM 1200 - General Chemistry II	4
	BIO/CIS 6000 - Computer Applications in Bioinformatics	3
	ELECTIVES:	
	4 credits sufficient to meet the required total 60 credits for the degree.	**4**
	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.	

Add/Delete/Change	**A.S. BIOTECHNOLOGY**	
	HEGIS: 5407.00	
	PROGRAM CODE: 33155	
	CUNY CORE	**CREDITS**
	REQUIRED CORE: (4 Courses, 13 Credits)	**13**
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - Composition I	3
	ENG 2400 - Composition II	3
	Mathematical & Quantitative Reasoning*:	3
	MAT 9B0 - College Algebra for STEM Majors or	
	MAT 900 - College Algebra	
	Life and Physical Sciences*:	4
	BIO 1300 – General Biology I	
	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/MAT 9100 - Biostatistics	
	BIO 1400 - General Biology II	
	DEPARTMENT REQUIREMENTS (6 Courses, 23 Credits)	**23**
	BIO 5000 - General Microbiology **or**	4
	BIO 5900 - Genetics	
	BIO 5800 - Recombinant DNA Technology **or**	4
	BIO 5700 - Biotechnology: Cell Culture and Cloning	
	BIO 6500 - Molecular and Cellular Biology	4
	CHM 1100 - General Chemistry I	4
	CHM 1200 - General Chemistry II	4
	BIO/CIS 6000 - Computer Applications in Bioinformatics	3
	ELECTIVES:	
	4 credits sufficient to meet the required total 60 credits for the degree.	**4**
	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.	