

MONTHLY REPORT: December 2024 - COMMITTEE ON CURRICULUM

To: Scott Litroff , Academic Senate Steering Committee
From: Vazgen Shekoyan, January 30, 2024
Subject: Committee on Curriculum December 2024 Monthly Report for the February 2024 Senate
CC: College Archives (CWilliams@qcc.cuny.edu)

At its December 3, 2024 meeting, the Committee on Curriculum voted to send the following recommendations and notices to the Academic Senate:

1 program revision

1. PROGRAM REVISION

Biological Sciences and Geology

Departmental approval date: November 20, 2024
 Biology

Rationale:

We are adding the option of taking organic chemistry and college physics as elective courses because many of the B.A. and B.S. Biology programs at the CUNY Senior Colleges require those courses. To make room for additional credits of electives, the Health and Physical Education requirements have been removed. These changes will allow QCC Biology students to be better prepared for transfer.

Department:	Biological Sciences and Geology
Program Name:	Biology
Program Code:	BIO-AS
HEGIS Number:	5604

Date approved by department:

Date consulted with the Office of Academic Affairs:

Date submitted to the Committee on Curriculum:

Date approved by the Committee on Curriculum:

Date the changes will be effective (if approved)

Month	Day	Year
11	20	2024
11	13	2024
11	21	2024
12	03	2024
08	28	2026

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	3 3	REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	3 3
REQUIRED CORE 1B: Math & Quantitative Reasoning Required: MA 441 Analytic Geometry and Calculus I ¹	4	REQUIRED CORE 1B: Math & Quantitative Reasoning Required: MA 441 Analytic Geometry and Calculus I ¹	4
REQUIRED CORE 1C: Life and Physical Sciences Required: BI-201 General Biology I	4	REQUIRED CORE 1C: Life and Physical Sciences Required: BI-201 General Biology I	4

FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3	FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience in Its Diversity Required: SP-211 Speech Communication	3	FLEXIBLE CORE 2B: U.S. Experience in Its Diversity Required: SP-211 Speech Communication	3
FLEXIBLE CORE 2C: Creative Expression (select one from 2C)	3	FLEXIBLE CORE 2C: Creative Expression (select one from 2C)	3
FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3	FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3
FLEXIBLE CORE 2E: Scientific World Required: CH-151 General Chemistry I	4.5	FLEXIBLE CORE 2E: Scientific World Required: CH-151 General Chemistry I	4.5
FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: Required: CH-152 General Chemistry II	4.5	FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: Required: CH-152 General Chemistry II	4.5
Sub-Total	35	Sub-Total	35
Requirements for the Major		Requirements for the Major	
BI-202 General Biology II	4	BI-202 General Biology II	4
BI-203 Cell Biology	3	BI-203 Cell Biology	3
Sub-Total	7	Sub-Total	7
Major Electives – Choose at least 7 credits from the following:		Major Electives – Choose 18 credits from the following:	
BI-235 Human Anatomy	4		
BI-356 Principles of Genetics	4	BI-356 Principles of Genetics	4
BI-357 Bioinformatics/Computational Biology	3	BI-357 Bioinformatics/Computational Biology	3
BI-421 Human Physiology	4		
BI-453 Biotechnology	5	BI-453 Biotechnology	5
BI-456 Introduction to Biological Research	4	BI-456 Introduction to Biological Research	4
BI-461 General Microbiology	4	BI-461 General Microbiology	4
BI-554 Research Laboratory Internship	2	BI-554 Research Laboratory Internship	2
		CH-251 Organic Chemistry I	5
		CH-252 Organic Chemistry II	5
		MA-119 College Algebra	3
		MA-121 Elementary Trigonometry	1
		MA-440 Pre-Calculus Mathematics	4
		PH-301 College Physics I	4
		PH-302 College Physics II	4
Sub-Total	7	Sub-Total	18
Additional Requirements for the Major			
MA-119 College Algebra	3		
MA-121 Elementary Trigonometry	1		
MA-440 Pre-Calculus Mathematics	4		
HE-101 Personal Health and Wellness OR HE-102 – Health, Behavior and Society	1 2		
Once course from DAN-100, PE-400, or PE-500	1		
Sub-Total	10-11		
Total	60	Total	60

14A. Program Notes

From:	To:
All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.	All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.

14B. Course Notes

From:	To:
¹ Depending on their math placement, students may be required to complete MA-119, MA-121 and/or MA-440 (with a C or better) prior to MA-441. Students who are not required to complete one or more of those courses must take additional Major Elective biology courses to reach 60 credits.	¹ Depending on their math placement, students may be required to complete MA-119, MA-121 and/or MA-440 (with a C or better) prior to MA-441. <u>Those students will count those additional mathematics courses as major electives.</u>

Write a summary for all of the changes.

CH-251, CH-252, PH-301, and PH-302 have been added as major electives. The requirements for HE-101 or HE-102 and one course from DAN-100, PE-400, or PE-500 have been deleted. MA-119, MA-121, and MA-440 have been moved from Additional Coursework to Major Electives.

If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.

BI-235 and BI-421 are being removed from the major electives because the courses are no longer taught at QCC or at most of the senior colleges. They will also be deleted from the department's offerings.

Explain briefly how students currently in the program will be able to complete the requirements.

All of the required and elective courses will be offered regularly and so students will be able to complete the degree in a timely manner.