LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

Name of Program and Degree Award: Biological Sciences, Bachelor of Arts
Hegis Number: 0401.00
Program Code: 25940
Effective Term: Spring 2017

1. **Type of Change:** Change in Degree Requirements

2. **From:** Biology II, B.A. (53 Credit Major)
This major sequence in Biology is appropriate only for students planning to teach in middle and high school. The required education sequence in middle and high school education must be completed for all students selecting this major in Biology. As part of their overall training students in science, students will be required to take ESC 419.

The required credits are distributed as follows:
8 credits in: BIO 166 and BIO 167
20 credits in Advanced Biology Courses:

3. **To:** Biology II, B.A. (53 Credit Major)
This major sequence in Biology is appropriate only for students planning to teach in middle and high school. The required education sequence in middle and high school education must be completed for all students selecting this major in Biology. As part of their overall training students in science, students will be required to take ESC 419.

The required credits are distributed as follows:
8 credits in: BIO 166 and BIO 167
BIO 166 and BIO 167: Both courses count towards Pathways General Education requirements. Both are prerequisites to all other Biology courses at the 200-level or higher.
20 credits in Advanced Biology Courses:

4. **Rationale (Explain how this change will impact learning outcomes of the department and Major/Program):** Both BIO 166 and 167 count towards the Pathways General Education requirements; one course counts toward Life and Physical Sciences while the other can be applied to Scientific World or the second Flexible Core course in one area.

5. **Date of departmental approval:** November 18, 2016

LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

Name of Program and Degree Award: Biological Sciences, Bachelor of Arts
Hegis Number: 0401.00
Program Code: 34022
Effective Term: Spring 2017

1. **Type of Change:** Change in Degree Requirements

2. **From:** Biology I, B.A. (69-70 Credit Major)
The required courses and credits are distributed as follows:
Credits (69-70)
8 credits in: BIO 166 and BIO 167: ~~One counts as General Education and the other toward the major. Both are prerequisites to all other Biology courses.~~

3. **To:** Biology I, B.A. (69-70 Credit Major)
The required courses and credits are distributed as follows:
Credits (69-70)
8 credits in: BIO 166 and BIO 167: Both courses count towards Pathways General Education requirements. Both are prerequisites to all other Biology courses at the 200-level or higher.

4. **Rationale (Explain how this change will impact learning outcomes of the department and Major/Program):** Both BIO 166 and 167 count towards the Pathways General Education requirements; one course counts toward Life and Physical Sciences while the other can be applied to Scientific World or the second Flexible Core course in one area.

5. **Date of departmental approval:** November 18, 2016

LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

1. **Type of Change:** Pre or corequisite

2. **From:**

Department(s)	Biological Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Biology
Course Prefix & Number	BIO 400
Course Title	Biological Chemistry
Description	Stress on the central role of nucleic acids and proteins in living cells: biological oxidation and intermediary metabolism of carbohydrates, lipids, and proteins, and the general properties of enzymes and enzyme catalyzed reactions in the intact cell and cell-free systems. Laboratory work stresses use of modern techniques used in biochemical analysis and in enzyme assays. Selected experiments to demonstrate the dynamic aspects of biochemistry in living cells and in cell-free systems.
Pre/ Co Requisites	~~Wildcard Biology & CHE 234/235~~
Credits	4
Hours	6
Liberal Arts	[x] Yes [ ] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	__x_ Not Applicable ____ Required ____ English Composition ____ Mathematics ____ Science ____ Flexible ____ World Cultures ____ US Experience in its Diversity ____ Creative Expression

	____ Individual and Society ____ Scientific World

3. **To:**

Department(s)	Biological Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Biology
Course Prefix & Number	BIO 400
Course Title	Biological Chemistry
Description	Stress on the central role of nucleic acids and proteins in living cells: biological oxidation and intermediary metabolism of carbohydrates, lipids, and proteins, and the general properties of enzymes and enzyme catalyzed reactions in the intact cell and cell-free systems. Laboratory work stresses use of modern techniques used in biochemical analysis and in enzyme assays. Selected experiments to demonstrate the dynamic aspects of biochemistry in living cells and in cell-free systems.
Pre/ Co Requisites	Two BIO courses at 200 level or above, and, CHE 234 and CHE 235
Credits	4
Hours	6
Liberal Arts	[x] Yes [ ] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	__x_ Not Applicable ____ Required ____ English Composition ____ Mathematics ____ Science ____ Flexible ____ World Cultures ____ US Experience in its Diversity ____ Creative Expression ____ Individual and Society ____ Scientific World

4. **Rationale (Explain how this change will impact the learning outcomes of the department and Major/Program):** The phrase: “Wildcard Biology” is unclear and should be replaced with specific courses.

5. **Date of departmental approval:** November 18, 2016

LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

1. **Type of Change:** Pre or corequisite

2. **From:**

Department(s)	Biological Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Biology
Course Prefix & Number	BIO 431
Course Title	Comparative Animal Physiology
Description	Comparative aspects of cellular and organ physiology, the evolutionary basis for development of homeostatic mechanisms, and structure-function correlation within the animal kingdom. Laboratory work includes the use of modern techniques to elucidate and illustrate the principles discussed in the lectures.
Pre/ Co Requisites	~~Wildcard Biology & CHE 234/235~~
Credits	4
Hours	6
Liberal Arts	[x] Yes [ ] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	_x__ Not Applicable ____ Required ____ English Composition ____ Mathematics ____ Science ____ Flexible ____ World Cultures ____ US Experience in its Diversity ____ Creative Expression ____ Individual and Society ____ Scientific World

3. **To:**

Department(s)	Biological Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Biology
Course Prefix & Number	BIO 431
Course Title	Comparative Animal Physiology
Description	Comparative aspects of cellular and organ physiology, the evolutionary basis for development of homeostatic mechanisms, and structure-function correlation within the animal kingdom. Laboratory work includes the use of modern techniques to elucidate and illustrate the principles discussed in the lectures.
Pre/ Co Requisites	Two BIO courses at 200 level or above, and, CHE 234 and CHE 235
Credits	4
Hours	6
Liberal Arts	[x] Yes [ ] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	__x_ Not Applicable _____ Required _____ English Composition _____ Mathematics _____ Science _____ Flexible _____ World Cultures _____ US Experience in its Diversity _____ Creative Expression _____ Individual and Society _____ Scientific World

4. **Rationale (Explain how this change will impact the learning outcomes of the department and Major/Program):** There is an error. Prerequisite is shown as part of the course description. The additional prerequisite referring to Wildcard Biology is unclear and should be removed.

5. **Date of departmental approval:** November 18, 2016