

Biology, BS

Subplan Bioenvironmental Sciences

Academic Plan: BIO-BS
Program Code: 34022

This degree map is a term-by-term sample course schedule designed to assist you and your advisor in planning your 4-year academic path to graduation with a Biology degree. You and your advisor will use it, along with the program of study for your major (found in the [Lehman Bulletin](#) for the year of your major declaration) and Degree Works ([degree audit system](#)), to formulate your customized plan.

30

[CUNY Common Core Credits](#)

12

[Lehman College Option Credits](#)

72-76

Major Credits

2-6

Elective Credits

LEGEND:

Course Abbreviation Credits

Class Name

Blue: Lehman Core Requirement (LCR)
Requirement fulfilled

Green: Major Requirement

Gold: Elective, Minor, or Certificate

- see footnote

Underlined information is hyperlinked

FRESHMAN

FALL

ENG 111 3 CR
English Composition I
Required Core – Communication

BIO 166 - LCR 4 CR
Principles of Biology: Cells and Genes
Required Core – Life and Physical Science

MAT 108 and **MAT 171** or **MAT 172** ^[3] 4-6 CR
Trigonometry and Elements of Precalculus or Precalculus
Required Core – Quantitative Skills

Elective 3 CR
LEH 100 (recommended)
The Liberal Arts - Freshman Seminar

SPRING

ENG 121 3 CR
English Composition II
Required Core – Communication

BIO 167- LCR 4 CR
Principles of Biology: Organisms
Flexible Core – Scientific World

CHE 166-LCR 4 CR
General Chemistry I
Flexible Core – Any area ^[1]

CHE 167 1.5 CR
General Chemistry Lab I

MAT 175 4 CR
Calculus I

MAT 155 1 CR
Calculus I Lab

14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS

SOPHOMORE

FALL

LCR 3 CR
Foreign Language I
Lehman College Option

CHE 168 4 CR
General Chemistry II

CHE 169 1.5 CR
General Chemistry Lab II

PHY 166 5 CR
General Physics I

Elective 3 CR

SPRING

LCR 3 CR
Foreign Language II
Lehman College Option

CHE 232 4 CR
Organic Chemistry Lecture I

CHE 233 2 CR
Organic Chemistry Lab I

PHY 167 5 CR
General Physics II

31.5 PRIOR CREDITS + 16.5 FALL CREDITS + 14 SPRING CREDITS = 62 CREDITS

JUNIOR

FALL	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <u>Lehman College Option</u>	3 CR
<u>BIO 238</u> Genetic	4 CR
<u>BIO 240</u> Biostatistics	3 CR
<u>CHE 234</u> Organic Chemistry Lecture II	4 CR
<u>CHE 235</u> Organic Chemistry Lab II	2 CR

SPRING	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <u>Lehman College Option</u>	3 CR
LCR <u>Flexible Core – Individual and Society</u>	3 CR
<u>BIO 2## or 3##</u> ^[4] Select Any From List (List A)	4 CR
<u>BIO 2## or 3##</u> ^[4] Select Any From List (List A)	4 CR
<u>BIO 4##</u> ^[5] Select Any From List (List B)	1 CR

62 PRIOR CREDITS + 16 FALL CREDITS + 15 SPRING CREDITS = 93 CREDITS

SENIOR

FALL	
<u>GEH 101-LCR</u> An Introduction to Geography <u>Flexible Core – World Cultures and Global Issues</u>	3 CR
LCR <u>Flexible Core - US Experience in Its Diversity</u>	3 CR
<u>BIO 2## or 3##</u> ^[4] Select Any From List (List A)	4 CR
<u>BIO 2## or 3##</u> ^[4] Select Any From List (List A)	2 CR

SPRING	
LCR <u>Flexible Core – Creative Expression</u>	3 CR
<u>GEP 2## or 3## or POL 3##</u> ^[6] Select Any From List (List C or D)	3 CR
<u>GEP 2## or 3## or POL 3##</u> ^[6] Select Any From List (List C or D)	3 CR
Elective	3 CR
Elective	3 CR

93 PRIOR CREDITS + 12 FALL CREDITS + 15 SPRING CREDITS = 120 CREDITS

[1] No more than two courses in one discipline may be used to satisfy Flexible Core requirements.

[2] These are variable topics courses, where each section covers a special topic. Take two courses with two different numbers. Pre-requisite: You must have achieved 60 credits and declared your major. Integration Courses: LEH 351: Studies in Science & Applied Perspectives, LEH 352: Studies in Literature, LEH 354: Studies in Historical Studies, LEH 355: Studies in Philosophy, Theory & Abstract Thinking. (LEH 351: Studies in Science & Applied Perspectives, is NOT a College Option for this Major).

[3] Students may take both MAT 108 and MAT 171 together to satisfy the Precalculus requirement

Bioenvironmental Sciences Sub plan (21-24 credits)

[4] At least 14 Credits from List A: BIO 241, BIO 311, BIO 312, BIO 330, BIO 331, BIO 336, BIO 339

[5] At least 1 Credit from List B: BIO 450, BIO 489, BIO 490

[6] 6-7 Credits from List C or List D:

List C: GEP 204 or GEP 205 and GEP 321 or GEP 3750 (GEO 101 or GEH 101 are prerequisites to GEP 205)

List D: POL 3600, POL 366, POL 368, POL 343

NOTE: BIO 181, 182 and 230 are not accepted towards the major.

NOTE: Writing Intensive Sections: Complete 4 sections designated as writing-intensive, 3 prior to earning 60 credits and 1 following. These sections may be searched by class attribute and are offered in General Education, major, minor and elective courses.

See other degree maps.