

Biology, BS

Subplan Biomedical 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 English Composition I <i>Required Core – Communication</i>	3 CR
BIO 166 - LCR Principles of Biology: Cells and Genes <i>Required Core – Life and Physical Science</i>	4 CR
MAT 108 and MAT 171 or MAT 172 ^[3] Trigonometry and Elements of Precalculus or Precalculus <i>Required Core – Quantitative Skills</i>	4-6 CR
Elective LEH 100 (recommended) The Liberal Arts - Freshman Seminar	3 CR

SPRING	
ENG 121 English Composition II <i>Required Core – Communication</i>	3 CR
BIO 167- LCR Principles of Biology: Organisms <i>Flexible Core – Scientific World</i>	4 CR
CHE 166-LCR General Chemistry I <i>Flexible Core – Any area</i> ^[1]	4 CR
CHE 167 General Chemistry Lab I	1.5 CR
MAT 175 Calculus I	4 CR
MAT 155 Calculus I Lab	1 CR

14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS

SOPHOMORE

FALL	
LCR Foreign Language I <i>Lehman College Option</i>	3 CR
CHE 168 General Chemistry II	4 CR
CHE 169 General Chemistry Lab II	1.5 CR
PHY 166 General Physics I	5 CR
Elective	3 CR

SPRING	
LCR Foreign Language II <i>Lehman College Option</i>	3 CR
CHE 232 Organic Chemistry Lecture I	4 CR
CHE 233 Organic Chemistry Lab I	2 CR
PHY 167 General Physics II	5 CR

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

JUNIOR

FALL

LCR 3 CR
LEH 352, 353, 354, or 355 ^[2]
Lehman College Option

BIO 238 4 CR
 Genetic

BIO 240 3 CR
 Biostatistics

CHE 234 4 CR
 Organic Chemistry Lecture II

CHE 235 2 CR
 Organic Chemistry Lab II

SPRING

LCR 3 CR
LEH 352, 353, 354, or 355 ^[2]
Lehman College Option

LCR 3 CR
Flexible Core – Individual and Society

BIO 2## or 3## or 4## ^[4] 4 CR
 Select Any From List (List A)

BIO 2## or 3## or 4## ^[4] 4 CR
 Select Any From List (List A)

62 PRIOR CREDITS + 16 FALL CREDITS + 14 SPRING CREDITS = 92 CREDITS

SENIOR

FALL

LCR 3 CR
Flexible Core – World Cultures and Global Issues

LCR 3 CR
Flexible Core - US Experience in Its Diversity

BIO 2## or 3## or 4## ^[4] 4 CR
 Select Any From List (List A)

BIO 2## or 3## or 4## ^[5] 4 CR
 Select Any From List (List B)

SPRING

LCR 3 CR
Flexible Core – Creative Expression

BIO 2## or 3## or 4## ^[5] 4 CR
 Select Any From List (List B)

BIO 4## ^[6] 1 CR
 Select Any From List (List C)

Elective 3 CR

Elective 3 CR

92 PRIOR CREDITS + 14 FALL CREDITS + 14 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

Biomedical Sciences Sub plan (21-23 credits)

[4] 12 Credits from List A: BIO 228, BIO 267, BIO 331, BIO 333, BIO 350, BIO 400, BIO 415, BIO 420

[5] At least 8 Credits from List B: BIO 241, BIO 268, BIO 311, BIO 312, BIO 320, BIO 321, BIO 330, BIO 336, BIO 338, BIO 339, BIO 340, BIO 341, BIO 401, BIO 406, BIO 431, BIO 435, BIO 465

[6] At Least 1 Credit from List C: BIO 450, BIO 489, BIO 490

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.