

# Biology, BS

## Subplan Brain 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	
<b>ENG 111</b> English Composition I <i>Required Core – Communication</i>	3 CR
<b>BIO 166 - LCR</b> Principles of Biology: Cells and Genes <i>Required Core – Life and Physical Science</i>	4 CR
<b>MAT 108</b> and <b>MAT 171</b> or <b>MAT 172</b> <sup>[3]</sup> Trigonometry and Elements of Precalculus or Precalculus <i>Required Core – Quantitative Skills</i>	4-6 CR
Elective <b>LEH 100</b> (recommended) The Liberal Arts - Freshman Seminar	3 CR

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

14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS

# SOPHOMORE

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

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

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

# JUNIOR

FALL	
LCR <u>LEH 352, 353, 354, or 355</u> <sup>[2]</sup> <i>Lehman College Option</i>	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> <sup>[2]</sup> <i>Lehman College Option</i>	3 CR
<u>PSY 166-LCR</u> General Psychology <i>Flexible Core – Individual and Society</i>	3 CR
<u>BIO 320</u> <sup>[4]</sup> Neural Development: From Genes and Cells to Brains (List A)	3 CR
<u>BIO 321</u> <sup>[4]</sup> Neural Development Lab (List A)	2 CR
<u>BIO 435</u> <sup>[4]</sup> Neurophysiology (List A)	3 CR

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

# SENIOR

FALL	
LCR <i>Flexible Core – World Cultures and Global Issues</i>	3 CR
LCR <i>Flexible Core - US Experience in Its Diversity</i>	3 CR
<u>BIO 340</u> <sup>[4]</sup> Human Body and Brain (List A)	3 CR
<u>BIO 341</u> <sup>[4]</sup> Human Body and Brain Lab (List A)	2 CR
<u>BIO 4##</u> <sup>[5]</sup> Select Any From List (List B)	1 CR

SPRING	
LCR <i>Flexible Core – Creative Expression</i>	3 CR
<u>PSY 3##</u> <sup>[6]</sup> Select Any From List (List C)	3 CR
<u>PSY 3##</u> <sup>[6]</sup> Select Any From List (List C)	3 CR
Elective	4 CR
Elective	3 CR

92 PRIOR CREDITS + 12 FALL CREDITS + 16 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

*Brain Sciences Sub plan (20-22 credits)*

[4] 13 Credits from List A: BIO 320, BIO 321, BIO 340, BIO 341, BIO 435

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

[6] 6 Credits from List C: PSY 308, PSY 310, PSY 312, PSY 314, PSY 317, PSY 366

*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.