

# Chemistry, BA

## Subplan Biochemistry

Academic Plan: CHEM-BA

Program Code: 34241

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 Chemistry Degree.

You and your advisor will use it, along with the program of study for your major (found in the [Lehman Bulletin](#) for your admission year) and Degree Works ([degree audit system](#)), to formulate your customized plan.

30

[CUNY Common Core Credits](#)

12

[Lehman College Option Credits](#)

69

Major Credits

9

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>MAT 172</b> Pre-calculus	4 CR
<b>CHE 166 - LCR</b> <sup>[1]</sup> General Chemistry I Lecture <i>Required Core – Life and Physical Science</i>	4 CR
<b>CHE 167</b> <sup>[1]</sup> General Chemistry I Lab	1.5 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>LCR</b> <i>Flexible Core-Creative Expression</i>	3 CR
<b>MAT 175 - LCR</b> Calculus I <i>Required Core – Quantitative Skills</i>	4 CR
<b>MAT 155</b> Calculus I Lab	1 CR
<b>CHE 168-LCR</b> General Chemistry II Lecture <i>Flexible Core – Scientific World</i>	4 CR
<b>CHE 169</b> General Chemistry II Lab	1.5 CR

15.5 FALL CREDITS + 16.5 SPRING CREDITS = 32 CREDITS

# SOPHOMORE

FALL	
<b>LCR</b> Foreign Language I <i>College Option - Foreign Language</i>	3 CR
<b>BIO 166-LCR</b> Principles of Biology: Cells and Genes <i>Flexible Core – Any area</i> <sup>[2]</sup>	4 CR
<b>CHE 232</b> Organic Chemistry I Lecture	4 CR
<b>CHE 233</b> Organic Chemistry I Lab	2 CR
<b>MAT 176</b> Calculus II	4 CR
<b>MAT 156</b> Calculus II Lab	1 CR

SPRING	
<b>LCR</b> Foreign Language II <i>College Option - Foreign Language</i>	3 CR
<b>BIO 167</b> Principles of Biology: Organisms	4 CR
<b>CHE 234</b> Organic Chemistry II Lecture	4 CR
<b>CHE 235</b> Organic Chemistry II Lab	2 CR
<b>CHE 450</b> Seminar	1 CR

32 PRIOR CREDITS + 18 FALL CREDITS + 14 SPRING CREDITS = 64 CREDITS

# JUNIOR

## FALL

LCR <u>LEH 352, 353, 354, or 355</u> <sup>[3]</sup> <i>Lehman College Option</i>	3 CR
LCR <i>Flexible Core – Individual and Society</i>	3 CR
<u>CHE 391</u> <sup>[7]</sup> or Elective	1 CR
<u>CHE 444</u> Biochemistry I	3 CR
<u>PHY 168</u> <sup>[4]</sup> Physics I for Scientists and Engineers	5 CR

## SPRING

LCR <u>LEH 352, 353, 354, or 355</u> <sup>[3]</sup> <i>Lehman College Option</i>	3 CR
<u>CHE 446</u> Biochemistry II Lecture	3 CR
<u>CHE 447</u> Biochemistry II Lab	3 CR
<u>CHE 391</u> <sup>[7]</sup> or Elective	2 CR
<u>PHY 169</u> <sup>[4]</sup> Physics II for Scientists and Engineers	5 CR

64 PRIOR CREDITS + 15 FALL CREDITS + 16 SPRING CREDITS = 95 CREDITS

# SENIOR

## FALL

LCR <i>Flexible Core – World Cultures and Global Issues</i>	3 CR
<u>CHE 2## or 3## or 4##</u> <sup>[5]</sup> Chemistry Elective	3 CR
<u>CHE 491</u> <sup>[8]</sup> or Elective	3 CR
Elective	3 CR
Elective	1 CR

## SPRING

LCR <i>Flexible Core - US Experience in Its Diversity</i>	3 CR
<u>CHE 344</u> <sup>[6]</sup> Physical Chemistry course in Kinetics and Thermodynamics	3 CR
<u>CHE 491</u> <sup>[8]</sup> or Elective	3 CR
Elective	3 CR

95 PRIOR CREDITS + 13 FALL CREDITS + 12 SPRING CREDITS = 120 CREDITS

[1] Students have the option to enroll in CHE 114 and CHE 115 with departmental permission.

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

[3] These are variable topics courses, where each section treats a special topic. Pre-requisite: You must have achieved 60 credits and declared your major. Integration Courses LEH 352: Studies in Literature, LEH 353: Studies in Arts, LEH 354: Studies in Historical Studies, LEH 355: Studies in Philosophy, Theory & Abstract Thinking. (LEH 351: Studies in Science & Applied Perspective is NOT a College Option for this Major).

[4] Students have the option to enroll in PHY 166 and PHY 167.

[5] Select any 200- 300- or 400- level Chemistry course, except CHE 391 and CHE 491.

[6] Students have the option to enroll in CHE 342

[7] Department consent is required to enroll in CHE 391-Chemical Investigations

[8] Department consent is required to enroll in CHE 491, students must complete one semester of CHE 391 before requesting permission for CHE 491. One of the requirements for Departmental Honors is satisfactory completion of 3 credits in CHE 491.

*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.