

Chemistry, BA

Subplan Chemistry

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

64

Major Credits

14

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

15.5 FALL CREDITS + 16.5 SPRING CREDITS = 32 CREDITS

SOPHOMORE

FALL

LCR Foreign Language I <i>College Option - Foreign Language</i>	3 CR
LCR <i>Flexible Core – Individual and Society</i>	3 CR
CHE 232 Organic Chemistry I Lecture	4 CR
CHE 233 Organic Chemistry I Lab	2 CR
MAT 176 Calculus II	4 CR
MAT 156 Calculus II Lab	1 CR

SPRING

LCR Foreign Language II <i>College Option - Foreign Language</i>	3 CR
CHE 234 Organic Chemistry II Lecture	4 CR
CHE 235 Organic Chemistry II Lab	2 CR
CHE 450 Seminar	1 CR
MAT 226 Vector Calculus	4 CR

32 PRIOR CREDITS + 17 FALL CREDITS + 14 SPRING CREDITS = 63 CREDITS

JUNIOR

FALL

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

CHE 249 5 CR
 Quantitative Analysis

CHE 391 ^[6] or Elective 2 CR

PHY 168- LCR ^[4] 5 CR
 Physics I for Scientists and Engineers
Flexible Core – Any area ^[2]

SPRING

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

CHE 344 3 CR
 Physical Chemistry Course in Kinetics and Thermodynamics

CHE 347 2 CR
 Physical Chemistry Lab in Kinetics and Thermodynamics

CHE 391 ^[6] or Elective 2 CR

PHY 169 ^[4] 5 CR
 Physics II for Scientists and Engineers

63 PRIOR CREDITS + 15 FALL CREDITS + 15 SPRING CREDITS = 93 CREDITS

SENIOR

FALL

LCR 3 CR
Flexible Core - US Experience in Its Diversity

CHE 342 3 CR
 Physical Chemistry Course in Quantum Chemistry

CHE 345 2 CR
 Physical Chemistry Lab in Quantum Chemistry

CHE 491 ^[7] or Elective 3 CR

Elective 3 CR

SPRING

LCR 3 CR
Flexible Core – World Cultures and Global Issues

CHE 2## or 3## or 4## ^[5] 3 CR
 Chemistry Elective

CHE 491 ^[7] or Elective 3 CR

Elective 3 CR

Elective 1 CR

93 PRIOR CREDITS + 14 FALL CREDITS + 13 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] Department consent is required to enroll in CHE 391-Chemical Investigations

[7] 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.