Chemistry, BS

Subplan Chemistry

Academic Plan: CHE-BS
Program Code: 02663

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 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**
77	**Major Credits**
1	**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

CHE 166 - LCR [1] 4 CR
General Chemistry I
Required Core – Life and Physical Science

CHE 167 [1] 1.5 CR
General Chemistry Laboratory I

MAT 175 - LCR 4 CR
Calculus II
Required Core-Quantitative skills

MAT 155 1 CR
Calculus I Lab

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

SPRING

ENG 121 3 CR
English Composition II
Required Core – Communication

LCR 3 CR
Flexible Core – Creative Expression

CHE 168 -LCR 4 CR
General Chemistry II
Flexible Core – Scientific World

CHE 169 1.5 CR
General Chemistry Laboratory II

MAT 176 4 CR
Calculus II

MAT 156 1 CR
Calculus II Lab

16.5 FALL CREDITS + 16.5 SPRING CREDITS = 33 CREDITS

SOPHOMORE

FALL

LCR 3 CR
Foreign Language I
Lehman College Option

CHE 232 4 CR
Organic Chemistry Lecture I

CHE 233 2 CR
Organic Chemistry Laboratory I

PHY 168-LCR 5 CR
Introductory Physics I
Flexible Core – Any area [2]

MAT 226 4 CR
Vector Calculus

SPRING

LCR 3 CR
Foreign Language II
Lehman College Option

CHE 234 4 CR
Organic Chemistry Lecture II

CHE 235 2 CR
Organic Chemistry Laboratory II

CHE 450 1 CR
Chemistry Seminar

PHY 169 5 CR
Introductory Physics II

33 PRIOR CREDITS + 18 FALL CREDITS + 15 SPRING CREDITS = 66 CREDITS

JUNIOR

FALL

LCR **LEH 352, 353, 354, or 355** [3] *Lehman College Option*	3 CR
CHE 249 Quantitative Analysis	5 CR
CHE 342 Physical Chemistry Course in Quantum Chemistry	3 CR
CHE 345 Physical Chemistry Lab in Quantum Chemistry	2 CR
CHE 391 [4] or Elective	1 CR

SPRING

LCR **LEH 352, 353, 354, or 355** [3] *Lehman College Option*	3 CR
LCR *Flexible Core – World Cultures and Global Issues*	3 CR
CHE 344 Physical Chemistry Course in Kinetics and Thermodynamics	3 CR
CHE 347 Physical Chemistry Lab in Kinetics and Thermodynamics	2 CR
CHE 391 [4] or Elective	1 CR

66 PRIOR CREDITS + 14 FALL CREDITS + 12 SPRING CREDITS = 92 CREDITS

SENIOR

FALL

LCR *Flexible Core – Individual and Society*	3 CR
LCR *Flexible Core - US Experience in Its Diversity*	3 CR
CHE 442 Inorganic Chemistry	3 CR
CHE 444 Biochemistry I	3 CR
CHE 491 [5] or Elective	1 CR

SPRING

CHE 443 Advanced Inorganic Chemistry	5 CR
CHE 449 Instrumental Analysis	5 CR
CHE 491 [5] or Elective	1 CR
Elective	3 CR
Elective	1 CR

92 PRIOR CREDITS + 13 FALL CREDITS + 15 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 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 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 Perspectives, is NOT a College Option for this Major).**

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

[5] **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.