

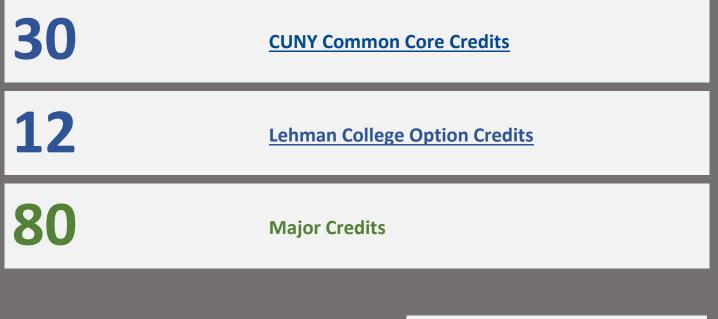


Chemistry, BS Subplan Biochemistry

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 <u>Lehman Bulletin</u> for the year of your major declaration) and Degree Works (degree audit system), to formulate your customized plan.



LEGEND:

Course AbbreviationCreditsClass NameBlue: Lehman Core Requirement (LCR)
Requirement fulfilledGreen: Major RequirementGold: Elective, Minor, or Certificate# - see footnoteUnderlined information is hyperlinked

FRESHMAN

FALL	
ENG 111 English Composition I <u>Required Core – Communication</u>	3 CR
CHE 166-LCR ^[1] General Chemistry I <u>Required Core – Life and Physical Scie</u>	4 CR <u>nce</u>
CHE 167 ^[1] General Chemistry Laboratory I	1.5 CR
MAT 175 -LCR Calculus I Required Core-Quantitative skills	4 CR
MAT 155 Calculus I Lab	1 CR
Elective <u>LEH 100</u> (recommended) The Liberal Arts - Freshman Seminar	3 CR

SPRING

ENG 121 English Composition II <u>Required Core – Communication</u>	3 CR
LCR Flexible Core- Creative Expression	3 CR
<u>CHE 168</u> -LCR General Chemistry II <u>Flexible Core – Scientific World</u>	4 CR
CHE 169 General Chemistry Lab II	1.5 CR
MAT 176 Calculus II	4 CR
MAT 156 Calculus II Lab	1 CR

16.5 FALL CREDITS + 16.5 SPRING CREDITS = 33 CREDITS

FALL		SPRING
LCR Foreign Language I <u>Lehman College Option</u>	3 CR	LCR 3 CR Foreign Language II Lehman College Option
BIO 166 -LCR Principles of Biology: Cells and Genes Flexible Core – Any area ^[2]	4 CR	BIO 167 4 CR Principles of Biology: Organisms
CHE 232 Organic Chemistry Lecture I	4 CR	CHE 234 4 CR Organic Chemistry Lecture II
<u>CHE 233</u> Organic Chemistry Lab I	2 CR	CHE 2352 CROrganic Chemistry Lab IIPHY 1695 CR
PHY 168 Physics I for Scientists and Engineers	5 CR	Physics II for Scientists and Engineers

	FALL		SPRING	
\sim	LCR <u>LEH 352, 353, 354, or 355</u> ^[3] <u>Lehman College Option</u>	3 CR	LCR <u>LEH 352, 353, 354, or 355</u> ^[3] <u>Lehman College Option</u>	3 CR
IOR	<u>CHE 249</u> Quantitative Analysis	5 CR	LCR <u>Flexible Core – World Cultures and Glob</u> <u>Issues</u>	3 CR
NUNIO	<u>CHE 444</u> Biochemistry I	3 CR	CHE 446 Biochemistry II CHE 447	3 CR 3 CR
Γ	<u>CHE 391 ^[4] or Elective</u>	1 CR	Biochemistry Lab CHE 450 Chemistry Seminar	1 CR
			CHE 391 ^[4] or Elective	1 CR

69 PRIOR CREDITS + 12 FALL CREDITS + 14 SPRING CREDITS = 95 CREDITS

FA	LL		SPRING	
LCR Flex Diver	ible Core - US Experience in Its rsity	3 CR	LCR Flexible Core – Individual and Society	3 CR
	342 ical Chemistry Course in Quantum nistry	3 CR	CHE 344 Physical Chemistry Course in Kinetics and Thermodynamics	3 CR
	,	<mark>2 CR</mark> mistry	CHE 443 Advanced Inorganic Chemistry	5 CR
CHE Inorg	442 ganic Chemistry	3 CR	Elective	1 CR
<u>CHE</u>	491 ^[5] or Elective	1 CR	CHE 491 ^[5] or Elective	1 CR

95 PRIOR CREDITS + 12 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 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 of 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.