

Sample BA Biological Chemistry Degree Plan

Freshman Year		
Fall Semester		
CHEM 170	Chemistry for Chemical Sciences (G3 Natural Sciences) ^a	5
CHEM 180	Seminar I	0.5
MATH 115	Calculus I (G1, LO2)	3
Goal 2, LO1	ENGL 101 or any of the KU CORE approved G2, LO1 course	3
	First Year Seminar (G1 LO1, Critical Thinking)	3
	Total Hours	14.5
Spring Semester		
CHEM 175	Chemistry for Chemical Sciences II	5
MATH 116	Calculus II	3
Goal 2, LO1	ENGL 102 or any of the KU CORE G2, LO1 course ^c	3
BIOL 150	Molecular and Cellular Biology	4
	Total Hours	15

Sophomore Year		
Fall Semester		
CHEM 330	Organic Chemistry I (or CHEM 380-Honors)	3
CHEM 331	Organic Chemistry I Laboratory	2
Language I	Elementary level 1	5
PHSX 114	College Physics I (also satisfies G1, LO1)	4
Goal 3	Arts and Humanities ^c	3
	Total Hours	17
Spring Semester		
CHEM 335	Organic Chemistry II (or CHEM 385- Honors)	3
CHEM 336	Organic Chemistry II Laboratory	2
Language II	Elementary level II	5
PHSX 115	College Physics II	4
	Total Hours	14

Junior Year		
Fall Semester		
CHEM 201	Laboratory Safety	1
CHEM 400	Analytical Chemistry	3
CHEM 401	Analytical Chemistry Laboratory	2
Goal 3	Social Science	4
Language III	Intermediate level I	3
Elective/ Minor	300+ level	3
	Total Hours	16
Spring Semester		
Language IV	Intermediate Level II	3
BIOL 350	Principles of Genetics (or BIOL 400 or BIOL 416)	3
Goal 4, LO2	Global Awareness Course ^c	3
CHEM 698	UG Research (or CHEM 636 in Spring semester of senior year) ^b	1
Elective/ Minor	300+ level	3
	Total Hours	13

Senior Year		
Fall Semester		
CHEM 695	Seminar II	0.5
Goal 5	Social Responsibility and Ethics (300+ level course recommended) ^c	3
Goal 4, LO1	Cultural Awareness Course ^c	3
CHEM 698	UG Research (or CHEM 636 in Spring semester of senior year) ^b	2
CHEM 520	Biological Physical Chemistry	5
BIOL 636	Biochemistry I	3
	Total Hours	16.5
Spring Semester		
Goal 2, LO2	Oral Communication KU Core approved course ^c	3
BIOL 638	Biochemistry II	3
CHEM 635	Instrumental Methods of Analysis (co-requisite for CHEM 636)	2
CHEM 636	Instrumental Methods of Analysis Laboratory (Goal 6)	3
CHEM 698	UG Research (or CHEM 636 in Spring semester of senior year) ^b	1
Elective/Minor	300+ level	3
	Total Hours	15

- ^a CHEM 170 requires eligibility for MATH 115
- ^b CHEM 636 or CHEM 698 option only for students starting catalog year 2017-2018 onwards. CHEM 698 or CHEM 699 + CHEM 636 recommended. Please check catalog for your year's requirements or talk to your advisor.
- ^c [list of KU Core approved courses](#)

* Please Note: All students in the College of Liberal Arts and Sciences are required to complete 120 total hrs of which 45 hrs must be at the Jr/Sr (300+) level.

Total Program Hours	121
Total Jr/Sr Hours	39.5