

Sample Schedule for a Chemistry BA Degree-Biological Chemistry concentration

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 a the Jr/Sr (300+) level.

FRESHMAN YEAR

FALL			
CHEM 170	Chemistry for Chemical Sciences I (G3) ^a	5	
CHEM 180	Seminar I	0.5	
MATH 115	Calculus I (Quantitative Reasoning) ^c	3	
G2, LO1	ENGL 101	3	
G3	Arts and Humanities Unit ^b	3	
	Total Hours	14.5	
SPRING			
CHEM 175	Chemistry for Chemical Sciences II	5	
MATH 116	Calculus II	3	
G2, LO1	ENGL 102	3	
BIOL 150	Molecular and Cellular Biology	4	
	Total Hours	15	

JUNIOR YEAR

FALL			
CHEM 510	Biological Physical Chemistry	3	
CHEM 698	Undergraduate Research Problems	2	
G4, LO1	Human Diversity Course ^b	3	
Language III		3	
BIOL 350	Genetics (or BIOL 400 or 416)	4	
	Total Hours	15	
SPRING			
CHEM 511	Biological Physical Chemistry Laboratory	2	
CHEM 698	Undergraduate Research Problems	2	
G4, LO 2	Cultural Awareness Course ^b	3	
Language IV		3	
Elective	300+ and above	6	
	Total Hours	16	

^a Natural Sciences Unit

^b See the KU Core <http://www.kucore.ku.edu> for a listing of all approved courses.

^c Satisfies CLAS Quantitative Reasoning beyond College Algebra requirement-most students will satisfy

G1, LO2 KU Core Requirement by Math 101 ACT exemption

SOPHOMORE YEAR

FALL			
CHEM 330	Organic Chemistry I	3	
CHEM 331	Organic Chemistry I Laboratory	2	
PHSX 114	College Physics I (G1, LO1)	3	
G2, LO1	COMS 130 or other approved course ^b	3	
Language I		5	
	Total Hours	16	
SPRING			
CHEM 335	Organic Chemistry II	3	
CHEM 336	Organic Chemistry Laboratory	2	
PHSX 115	College Physics II	3	
Language II		5	
G3	Social Science Unit ^b	3	
	Total Hours	16	

SENIOR YEAR

FALL			
CHEM 620	Analytical Chemistry	3	
CHEM 621	Analytical Chemistry Laboratory	2	
CHEM 695	Seminar II	0.5	
CHEM 698	Undergraduate Research Problems	2	
BIOL 636	Biochemistry I	4	
Elective	300+ and above	3	
	Total Hours	14.5	
SPRING			
CHEM 680	Topics in Chemistry	3	
CHEM 698	Undergraduate Research Problems	2	
G5	Social Responsibility and Ethics Course ^b	3	
BIOL 638	Biochemistry II	3	
Elective	300+ and above	3	
	Total Hours	14	