

2026 Academic Planning Form: BIOCHEMISTRY B.S.

As of 5/23/2022

Example Sequence for BIOCHEMISTRY B.S. (most electives can be chosen at student's discretion.)

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1 st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	MTH 131 Calc & Analytical Geometry I (Quantitative Reasoning Core)	4	MTH 132 Calc & Analytical Geometry II	4	
	CHM 121 Intro Chemistry I w/ Lab (Natural Science Core)	4	CHM 122 Intro Chemistry II w/ Lab	4	
	BIO 103 General Biology I w/ Lab	4	BIO 104 General Biology II w/ Lab	4	
	CHM 132 Intro to Biochemistry	1			
		17		16	
2 nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CHM 221 Organic Chemistry I w/ Lab	4	CHM 222 Organic Chemistry II w/ Lab	4	
	EPS 101 General Physics I w/ Lab	4	EPS 102 General Physics II w/ Lab	4	
	BIO 200 Cellular and Molecular Biology (Intensive Writng II Proficiency)	3	Social Science Core	3	
		15		15	
3 rd Year	CHM 309 Biochemistry	3	CHM 321 & 321L Physical Chemistry I w/ Lab	4	
	CHM 331 Adv. Analytical Chemistry I w/ Lab	4	CHM 312 Biochemistry II	3	
	CHM 381 Chemistry Seminar (Oral Communication Proficiency)	1	CHM 382 Chemistry Seminar	2	
	Theology I Core	3	Theology II Core	3	
	Free Elective	3	Free Elective	3	
		14		15	
4 th Year	Chemistry Elective(s)	3 or 4	CHM 310L Biochemistry Lab	3	
	CHM 481 Chemistry Seminar	2	CHM 482 Chemistry Seminar	0	
	BIO 308 Modern Genetics w/ Lab	4	Free Elective	3	
	Fine Arts Core	3	Free Elective	3	
	Philosophy Core	3	Philosophy Ethics Core	3	
		16		12	
Graduation Requirement includes a minimum of 120 credit hours			Total Program of Study Credits		120
<i>For Study Abroad - fall of the junior year following consultation with department chair and provided one finds equivalent courses abroad.</i>					
<i>Note: CHM 310L and CHM 312 are offered in alternate years.</i>					
<i>Chemistry Elective may be any 300 or 400 level CHM course,student will receive ACS certification if CHM 401 is chosen.</i>					
Core requirements include a foundational component and satisfaction of all proficiencies.					
Foundational Component:			Proficiencies:		
<ul style="list-style-type: none">DWC - 4 semester sequence, 16-20 cr.Theology (200 & 300 level) - 6 cr.Philosophy (1 Ethics) - 6 cr.Natural Science - 3 cr. (CHM 121/121L)Social Science - 3 cr.Quantitative Reasoning - 3 cr. (MTH 131 or MTH 132)Fine Arts - 3 cr.			<ul style="list-style-type: none">Intensive Writing - IIntensive Writing - II (BIO 200 and CHM 310L)DiversityCivic EngagementOral Proficiency (CHM 381/382/481/482)		
Major Requirements (BIOCHM BS Courses):					
<ul style="list-style-type: none">CHM 121-122, 221-222, 321-321L, 331, 381, 382, 481, 482MTH 131-132			<ul style="list-style-type: none">BIO 103-104, 200, 308EPS 101-102		