

2028 Academic Planning Form: CHEMISTRY B.S.

5/17/2023

1st course(s) recommended for Chemistry- CHM 121

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st 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	
	Core/Free Elective	3	CHM 120 Chemists to the Rescue (Intensive Writing I Proficiency & Civic Engagement Proficiency)	3	
		15		15	
					30
2nd 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	
	Core/Free Elective	3	Core/Free Elective	3	
		15		15	
					30
3rd Year	CHM 331 Adv. Analytical Chemistry I w/ Lab	4	CHM 321 Physical Chemistry I	3	
	CHM 332 Organic Analysis w/Lab	2	CHM 321L Physical Chemistry I Lab	1	
	CHM 432 Adv. Analytical Chemistry II w/Lab	2	CHM 309 Biochemistry	3	
	CHM 381 Chemistry Seminar (Oral Communication Proficiency)	1	CHM 382 Chemistry Seminar (Oral Communication Proficiency)	2	
	Core/Free Elective	3	Core/Free Elective	3	
	Core/Free Elective	3	Core/Free Elective	3	
		15		15	
					30
4th Year	CHM 401 Inorganic Chemistry (Intensive Writing II Proficiency)	3	CHM 401L Inorganic Chemistry Lab	1	
	CHM 311 Chemistry of Materials w/ Lab	2	CHM 482 Chemistry Seminar (Oral Communication Proficiency)	0	
	CHM 322 Physical Chemistry II w/ Lab	2	Core/Free Elective	3	
	CHM 481 Chemistry Seminar (Oral Communication Proficiency)	2	Core/Free Elective	3	
	Core/Free Elective	3	Core/Free Elective	3	
	Core/Free Elective	3	Core/Free Elective	3	
			Core/Free Elective	3	
		15		16	
					31
Graduation Requirement includes a minimum of 120 credit hours			Total Program of Study Credits		121
<p><i>For Study Abroad - Spring of the junior year following consultation with department chair. Please Note CHM 311, CHM 322, CHM 332, and CHM 432 are offered alternate years.</i></p>					
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 - I (CHM 120) • Intensive Writing - II (CHM 401) • Diversity • Civic Engagement (CHM120) • Oral Proficiency (CHM 381/382/481/482) 		
Major Requirements (CHM BS Courses):					
<ul style="list-style-type: none"> • CHM 121-122, 221-222, 311, 321-321L, 322-322L, 331, 332, 381, 382, 401, 401L, 432, 481, 482 • MTH 131-132 • EPS 101-102 					