

2024 Academic Planning Form: CHEMISTRY B.S.

As of 1/12/2021

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

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
<b>1<sup>st</sup> Year</b>	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	4	MTH 132 Calc & Analytical Geometry II	4	
	CHM 121 Intro Chemistry I w/ Lab	4	CHM 122 Intro Chemistry II w/ Lab	4	
	CHM 479 Chemistry in the Modern World	3	Philosophy core	3	
		<b>15</b>		<b>15</b>	<b>30</b>
<b>2<sup>nd</sup> Year</b>	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	
	Free Elective	3	Free Elective	3	
		<b>15</b>		<b>15</b>	<b>30</b>
<b>3<sup>rd</sup> Year</b>	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	1	CHM 382 Chemistry Seminar	2	
	Theology I core	3	Theology II core	3	
	Free elective	3	Free elective	3	
		<b>15</b>		<b>15</b>	<b>30</b>
<b>4<sup>th</sup> Year</b>	CHM 401 Inorganic Chemistry w/ Lab	4	CHM 482 Chemistry Seminar	0	
	CHM 311 Chemistry of Materials w/ Lab	2	Philosophy Ethics core	3	
	CHM 322 Physical Chemistry II w/ Lab	2	Free elective	3	
	CHM 481 Chemistry Seminar	2	Free elective	3	
	Fine Arts core	3	Free elective	3	
	Free elective	3	Free elective	3	
		<b>16</b>		<b>15</b>	<b>31</b>
*Graduation Requirement includes a minimum of 120 credit hours*			Total Program of Study Credits		121

*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.*

**Core requirements include a foundational component and satisfaction of all proficiencies.**

**Foundational Component:**

- 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.

**Proficiencies:**

- Intensive Writing - I
- Intensive Writing - II (CHM 222L/CHM 321/CHM 331L/CHM 401L)
- Diversity
- Civic Engagement
- Oral Proficiency (CHM 381/382/481/482)

**Major Requirements (CHM BS Courses):**

- CHM 121-122, 221-222, 311, 321-321L, 322-322L, 331, 332, 381, 382, 401,432, 481, 482
- MTH 131-132
- EPS 101-102