

Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE CHEMISTRY

BIOCHEMISTRY CONCENTRATION

	CENED	AL EDUCATION RE	OHIDEM		HEMISTE	KT C
	GENER	AL EDUCATION RE	QUIKEM	EN I 3		
		Competencies	6			
→ Ba	asic College M	ath				
→ Re	eading Compr	ehension				
	. General Edι	ucation Categories	34-35 cr	edits to	otal)	
♦FYS	First Year Se				3	
♦W-I	Written Comr	nunication - Level I			3	
+OC	Oral Commun	nication			3	
PGR	Personal Gro	wth & Responsibility			3	
CEA	Creative Exp	ession & Appreciation			3	
WC	World Culture				3	
HP	The Human F	ast			3	
CS	Contemporar	y Society			3	
SR	Scientific	# Any SR course			3-4	
	Reasoning:	# SR Lab course			4	
QR	Quantitative F				3	
‡ Writ		ication (Level II and			Diversity	١,
	Powe	r Dynamics and So	cial Just	ice		
W-II	Written Comr	nunication - Level II				
W-III	Written Comr	nunication - Level III				
DPDS	Diversity, Power Dynamics and					
DI DO	Social Justice)				
	a	Flootings (40 cm -1)	ll			
May bo		Electives (12 credit ke additional credits to			120 crodit	
		depending on choices				
	g	minor selection.		,		-

COURSES IN MAJOR (45 credits total))
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	Freshman Year				
CHE	130	General Chemistry I	4		
CHE	212	Organic Chemistry I	4		
		Sophomore Year			
CHE	131	General Chemistry II	4		
CHE	213	Organic Chemistry II	4		
		Junior Year			
CHE	309	Biochemistry	4		
CHE	321	Quantitative Analysis	4		
CHE	341	Physical Chemistry I	4		
CHE	342	Physical Chemistry II`	4		
	Senior Year				
CHE	340	Techniques in Inorganic &	4		
		Organic Synthesis			
CHE	419	Advanced Biochemistry	3		
CHE	422	Instrumental Analysis	4		
CHE	560	Chemistry Seminar	2		

▼ Required Support Courses (28 credits total)

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BIO	132	Introduction to Cells	4	
BIO	212	Cell Biology	4	
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	
PHS	211A	Physics I	4	
	OR			
PHS	221	Physics I with Calculus	4	
	AND			
PHS	212A	Physics II	4	
	OR			
PHS	222	Physics II with Calculus	4	
and one of the following:				
BIO	313	Molecular Biology	4	
BIO	402	Genetics	4	
BIO	405	General Physiology	4	
BIO	406	Microbiology	4	
BIO	411	Immunology	4	

- ▼ Students may choose to use support courses to satisfy general education categories, but may not be required to do so. **Note:** If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.
- Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline.
- ± Level II, Level III Written Communications and Diversity, Power Dynamics and Social Justice Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.
- This strongly recommended that students elect additional biology, mathematics, physics and computer science courses.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

Exceptions in the timing of courses will be made for transfer students

Total credits for graduation: 120 Effective: 9/2021