

Degree: Chem-BS ACS Certified: Biochemistry Concentration
Freshman 4-Year Academic Roadmap

Year 1: Freshman Year					Year Total			30	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Math 2210	Fall & Spring	☒	Math 1401	4	Math 2200	Fall & Spring	☒	Math 2210	4
Chem 2100+2100L	Fall & Spring	☒	College math coreq	5	Chem 2200+2200L	Fall & Spring	☒	Chem 2100+2100L	5
GE		☐		3	GE		☐		3
GE		☐		3	GE		☐		3
		☐					☐		
Semester Total				15	Semester Total				15

Year 2: Sophomore Year					Year Total	35			
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Math 2310	Fall & Spring	☒	Math 2210 pre/corq	4	Phys 2500+2500L	Fall & Spring	☒	Math 2210	5
Biol 2010	Fall	☒	Chem 2100	5	Chem 3500	Spring	☒	Chem 3400	5
Chem 3400	Fall	☒	Chem 2200+2200L	5	Bio 2020	Spring	☒	Bio 2010	5
GE		☐		3	GE		☐		3
		☐					☐		
Semester Total				17	Semester Total				18

Year 3: Junior Year					Year Total			32	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Chem 4100+4100L	Fall & Spring	☒	Chem 3400&BIOL 20	4	Chem 4200+4200L	Spring	☒	Chem 4100+4100L	4
Phys 2510+2510L	Fall & Spring	☒	Phys 2500+2500L	5	Bio elective	Fall & Spring	☒	Biol 2020	4
GE				3	CHEM 3200	Fall & Spring	☒	CHEM2200+2200L	3
GE		☐		3	GE		☐		3
		☐			GE		☐		3
Semester Total				15	Semester Total				17

Year 4: Senior Year					Year Total			25	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Chem 4600	Fall	☒	Chem 3200, 4100+L,	3	CHEM 4700	Spring	☒	Chem 4600	3
Chem 5700	Fall	☒	Chem 4200+4200L	2	CHEM 4750	Spring	☒	Chem 4700 (corequ)	1
Chem 5800	Fall & Spring	☒	Chem 2500 or 3500;	1	CHEM 4350	Spring	☒	Chem 2500 or 3500;	3
GE		☐		3	GE		☐		3
GE		☐		3	free elective		☐		3
Semester Total				12	Semester Total				13

*Course may be offered in summer

Degree Units Total **122**

DO NOT EDIT

General Education Courses

GE Category		Courses	Designation
A1	Oral Communication		University Foundations
A2	Written Communication		University Foundations
A3	Critical Thinking		University Foundations
B1	Physical Science		Disciplinary Perspectives
B2	Life Science		Disciplinary Perspectives
B3	Lab Activity		Disciplinary Perspectives
B4	Mathematics		University Foundations
B5	Upper Division Scientific Inquiry		Disciplinary Perspectives
C1*	Arts		Disciplinary Perspectives
C2*	Literature		Disciplinary Perspectives
C2*	Philosophy		Disciplinary Perspectives
C2*	World Languages or Literature in Translation		Disciplinary Perspectives
	*one choice must be upper-division		
D1^	U.S. History		University Foundations
D2^	American Government		University Foundations
D3^	Social Sciences Discipline Perspectives		Disciplinary Perspectives
D4^	Upper Division Social Science		Disciplinary Perspectives
	^at least 2 disciplines must be represented in D, including choices in US History & Government		
E	Foundation Seminar		University Foundations

(WI) Writing Intensive **At least 2 courses reqd, one UD**

Diversity and Inclusiveness

(DI) Perspectives **At least 1 course required**

(G) Global Perspectives **At least 1 course required**