

Degree: Chem-BA CHEM: 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	<input checked="" type="checkbox"/>	Math 1401	4	Math 2200	Fall & Spring	<input checked="" type="checkbox"/>	Math 2210	4
Chem 2100+2100L	Fall & Spring	<input checked="" type="checkbox"/>	College math coreq	5	Chem 2200+2200L	Fall & Spring	<input checked="" type="checkbox"/>	Chem 2100+2100L	5
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
		<input type="checkbox"/>					<input type="checkbox"/>		
Semester Total				15	Semester Total				15

Year 2: Sophomore 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 3400	Fall	<input checked="" type="checkbox"/>	Chem 2200+2200L	5	Bio 2020	Spring	<input checked="" type="checkbox"/>	Bio 2010	5
Biol 2010	Fall	<input checked="" type="checkbox"/>	Chem 2100	5	Chem 3500	Spring	<input checked="" type="checkbox"/>	Chem 3400	5
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
		<input type="checkbox"/>					<input type="checkbox"/>		
Semester Total				16	Semester Total				16

Year 3: Junior Year								Year Total	31
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	<input checked="" type="checkbox"/>	Chem 3400&BIOL 20	4	Chem 4200+4200L	Spring	<input checked="" type="checkbox"/>	Chem 4100+4100L	4
Phys 22000 + 2000L	Fall & Spring	<input checked="" type="checkbox"/>	Math 2210	5	Phys 2010+2010L	Fall & Spring	<input checked="" type="checkbox"/>	Phys 2000+2000L	5
CHEM 3200	Fall & Spring	<input checked="" type="checkbox"/>	CHEM2200+2200L	4	GE		<input type="checkbox"/>		3
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
		<input type="checkbox"/>					<input type="checkbox"/>		
Semester Total				16	Semester Total				15

Year 4: Senior Year					Year Total			28	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Chem 4600	Fall	<input checked="" type="checkbox"/>	Chem 3200, 4100+L,	3	CHEM 4700	Spring	<input checked="" type="checkbox"/>	Chem 4600	3
Chem elective		<input checked="" type="checkbox"/>	variable	2	CHEM 4750	Spring	<input checked="" type="checkbox"/>	Chem 4700 (corequ)	1
Chem 5800	Fall & Spring	<input checked="" type="checkbox"/>	Chem 2500 or 3500;	1	CHEM 4350	Spring	<input checked="" type="checkbox"/>	Chem 2500 or 3500;	3
GE x 2		<input type="checkbox"/>		6	Free elective		<input type="checkbox"/>		3
Free elective		<input type="checkbox"/>		3	Free elective		<input type="checkbox"/>		3
Semester Total				15	Semester Total				13

*Course may be offered in summer

Degree Units Total **121**

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**