

Degree: Chem-BA CHEM: Chemistry 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
Semester Total				15	Semester Total				15

Year 2: Sophomore Year					Year Total	31			
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Math 2310	Fall & Spring	<input checked="" type="checkbox"/>	Math 2210 pre/coreq	4	Bio 1000+1000L	Fall & Spring	<input type="checkbox"/>		5
Chem 3400	Fall	<input checked="" type="checkbox"/>	Chem 2200+2200L	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
Semester Total				15	Semester Total				16

Year 3: Junior Year					Year Total	29			
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
CHEM 3200	Fall & Spring	<input checked="" type="checkbox"/>	CHEM2200+2200L	4	Chem elective	Fall & Spring	<input checked="" type="checkbox"/>	variable	3
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 elective		<input checked="" type="checkbox"/>	variable	3			<input type="checkbox"/>		
GE		<input type="checkbox"/>		3	GE		<input type="checkbox"/>		3
Semester Total				15	Semester Total				14

Year 4: Senior Year					Year Total	30			
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
Chem 4400	Fall	<input checked="" type="checkbox"/>	Chem 3200, Math 22	3	Chem 4500	Spring	<input checked="" type="checkbox"/>	Chem 4400	3
Chem 4300	Fall	<input checked="" type="checkbox"/>	Chem 2500 or 3500;	4	Chem 4550	Spring	<input checked="" type="checkbox"/>	Chem 4500 (corequ)	1
Chem 5800	Fall	<input checked="" type="checkbox"/>	Chem 2500 or 3500;	1	Chem Elective	Fall & Spring	<input checked="" type="checkbox"/>	variable	3
GE		<input type="checkbox"/>		3	Free Elective		<input checked="" type="checkbox"/>		3
Free elective		<input type="checkbox"/>		3	2 x free electives		<input type="checkbox"/>		6
Semester Total				14	Semester Total				16

*Course may be offered in summer

Degree Units Total 120

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
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(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