

Degree: Chem-BS ACS Certified: 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	✓	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	33			
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	Math elective	Fall & Spring	✓	Math 2210	4
Biol 2010	Fall	✓	Chem 2100	5	Chem 3500	Spring	✓	Chem 3400	5
Chem 3400	Fall	✓	Chem 2200+2200L	5	CHEM 3200	Fall & Spring	✓	CHEM2200+2200L	4
GE				3	GE				3
Semester Total				17	Semester Total				16

Year 3: Junior 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 4100+4100L	Fall & Spring	✓	Chem 3400&BIOL 20	4	Chem elective or mat	Fall & Spring	✓	variable	2
Phys 2500+2500L	Fall & Spring	✓	Math 2210	5	Phys 2510+2510L	Fall & Spring	✓	Phys 2500+2500L	5
Chem elective or mat	Fall & Spring	✓	variable	2	GE				3
GE				3	GE				3
Semester Total				14	Semester Total				16

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	✓	Chem 3200, Math 2210	3	Chem 4500	Spring	✓	Chem 4400	3
Chem 4300	Fall	✓	Chem 2500 or 3500;	4	Chem 4550	Spring	✓	Chem 4500 (corequ)	1
Chem 5800	Fall	✓	Chem 2500 or 3500;	1	Chem 5850or5860	Spring	✓	Chem 5800	1
GE				3	Chem 5200	Spring	✓	Chem 2500 or 3500;	5
GE				3	GE+elective (2 courses)				6
Semester Total				14	Semester Total				16

*Course may be offered in summer

Degree Units Total **123**

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