

**Degree: Chem-BS ACS Certified: Chemistry Concentration**  
**Transfer 2-Year Academic Roadmap**

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 elective or materia	Fall & Spring	✓	variable	2
Chem 3200	Fall & Spring	✓	chem2200+2200L	4	Chem 3600	Spring	✓	Chem 2500/L	5
GE	Fall & Spring			3	math elective	Fall & Spring	✓	Math 2210	4
Math 2310	Fall & Spring	✓	Math 2210 pre/corq	4	GE				3
					GE				3
<b>Semester Total</b>				15	<b>Semester Total</b>				17

Year 4: Senior 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 4400	Fall	✓	Chem 3200, Math 22	3	Chem 4500	Spring	✓	Chem 4400	3
Chem 4300	Fall	✓	Chem 2500 or 3500; & 3200	4	Chem 4550	Spring	✓	Chem 4500 (corequ)	1
Chem 5800	Fall	✓	Chem 2500 or 3500; & 3200 & 90+ units	1	Chem 5850or5860	Spring	✓	Chem 5800	1
GE				3	Chem 5200	Spring	✓	Chem 2500 or 3500; Chem 3200; Physics 2010+L or 2110+L	5
Chem elective or materials science	Fall & Spring		variable	2	GE+elective (2 courses)				6
GE				3	<b>Semester Total</b>				16
<b>Semester Total</b>				16	<b>Semester Total</b>				16
<b>*Course may be offered in summer</b>					<b>Degree Units Total</b>				64

This is assuming all lower division coursework is complete, including  
 one year (two semester) calculus-based physics  
 one year calculus  
 one year (two semesters) general chemistry with lab  
 one year (two semesters) organic chemistry with lab  
 one semester major-level cell biology

## 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
<b>*one choice must be upper-division</b>			
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
<b>^at least 2 disciplines must be represented in D, including choices in US History &amp; Government</b>			
E	Foundation Seminar		University Foundations

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| <b>(WI) Writing Intensive</b>                        | <b>At least 2 courses reqd, one UD</b> |
| <b>(DI) Diversity and Inclusiveness Perspectives</b> | <b>At least 1 course required</b>      |

**(G) Global Perspectives**

**At least 1 course required**