

**Bachelor of Science - Chemistry - Biochemistry Concentration
Transfer Academic Roadmap**

Year 1: Junior Year				Year Total				27
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 3200	Fall & Spring	CHEM 2100/L and CHEM 2200/L	3	CHEM 3600	Spring	CHEM 2500 and CHEM 2500L	5	
CHEM 4100	Fall & Spring	CHEM 2300, 2500, or 3400; and BIOL 2010	3	CHEM 4200	Spring	CHEM 4100	3	
CHEM 4100L	Fall & Spring	CHEM 4100 (Corequisite)	1	CHEM 4200L	Spring	CHEM 4200 (Corequisite)	1	
General Education (UD)	Fall & Spring		3	CHEM 5800	Fall & Spring	CHEM 3200 and CHEM 3500	1	
General Education (UD)	Fall & Spring		3	MATH 2310	Fall & Spring	MATH 2210 and MATH 2220	4	
Semester Total			13	Semester Total			14	

Year 2: Senior Year				Year Total				33
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 4350	Fall	CHEM 3200 and CHEM 3500	3	CHEM 4700	Spring	CHEM 4600	3	
CHEM 4600	Fall	CHEM 3200, 4100/L; MATH 2220; PHYS 2510/	3	Concentration BIOL Elective	Fall & Spring	Varies	4	
CHEM 4750	Fall	CHEM 4600 (Corequisite)	1	Free Elective	Fall & Spring		3	
CHEM 5700	Fall	CHEM 4200L	2	Free Elective	Fall & Spring		3	
CHEM 5990	Fall & Spring	Senior Standing	0	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		2	
Free Elective	Fall & Spring		3					
Semester Total			15	Semester Total			18	
Degree Units Total							60	

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 The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.
 This roadmap assumes students completed one year of the following sequences at their previous institution: Calculus-based Physics, Calculus, General Chemistry, Organic Chemistry, Major Biology.
 The following courses fulfill the Upper Division Scientific Inquiry GE B5 requirement: CHEM 3200, CHEM 4750, and CHEM 5700.

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Year 1: Junior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 3200	Fall & Spring	CHEM 2100/L and CHEM 2200/L	3	Lower Division Core Science Series 1B	Varies	Varies	4
Lower Division Core Science Series 1A	Varies	Varies	4	Lower Division Core Science Series 2B	Varies	Varies	4
Lower Division Core Science Series 2A	Varies	Varies	4	MATH 2310	Fall & Spring	MATH 2210 and MATH 2220	4
General Education (UD)	Fall & Spring		3	General Education (UD)	Fall & Spring		3
Semester Total			14	Semester Total			15

Year 2: Junior/Senior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 4100	Fall & Spring	CHEM 2300, 2500, or 3400; and BIOL 2010	3	CHEM 4200	Spring	CHEM 4100	3
CHEM 4100L	Fall & Spring	CHEM 4100 (Corequisite)	1	CHEM 4200L	Spring	CHEM 4200 (Corequisite)	1
CHEM 4350	Fall	CHEM 3200 and CHEM 3500	3	CHEM 5800	Fall & Spring	CHEM 3200 and CHEM 3500	1
Free Elective	Fall & Spring		3	Concentration BIOL Elective	Fall & Spring	Varies	4
Free Elective	Fall & Spring		3				
Semester Total			13	Semester Total			9

Year 3: Senior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 4600	Fall	CHEM 3200, 4100/L; MATH 2220; PHYS 2510/	3	CHEM 4700	Spring	CHEM 4600	3
CHEM 4750	Fall	CHEM 4600 (Corequisite)	1	CHEM 5990	Fall & Spring	Senior Standing	0
CHEM 5700	Fall	CHEM 4200L	2				
Semester Total			6	Semester Total			3
						Degree Units Total	60

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The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.

This roadmap assumes students did not complete one of the following sequences at their previous institution: Calculus-based Physics, Calculus, General Chemistry, Organic Chemistry, Major Biology.

The following courses fulfill the Upper Division Scientific Inquiry GE B5 requirement: CHEM 3200, CHEM 4750, and CHEM 5700.