

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

Year 1: Junior Year				Year Total				31
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	4	CHEM 3600	Spring	CHEM 2500 and CHEM 2500L	5	
CHEM 4100	Fall & Spring	CHEM 2300, 2500, or 3400; and BIOL 2010	3	CHEM Concentration Elective	Fall & Spring	Varies	2	
CHEM 4100L	Fall & Spring	CHEM 4100 (Corequisite)	1	MATH 2270 or MATH 2320	Fall & Spring	Varies	3	
MATH 2310	Fall & Spring	MATH 2210 and MATH 2220	4	General Education (UD)	Fall & Spring		3	
General Education (UD)	Fall & Spring		3	Free Elective	Fall & Spring		3	
Semester Total			15	Semester Total			16	

Year 2: Senior Year				Year Total				29
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 4300	Fall	CHEM 3200 and CHEM 3500	4	CHEM 4500	Spring	CHEM 4400	3	
CHEM 4400	Fall	CHEM 3200; MATH 2220; PHYS 2510/L	3	CHEM 4550	Spring	CHEM 4500 (Corequisite)	1	
CHEM 5800	Fall	CHEM 3200 and CHEM 3500	1	CHEM 5200	Spring	CHEM 3200 and 3500; PHYS 2510 and 2510L	5	
CHEM 5990	Fall & Spring	Senior Standing	0	CHEM 5850 or CHEM 5860	Spring	CHEM 5800	1	
CHEM Concentration Elective	Fall & Spring	Varies	2	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		3	
Semester Total			13	Semester Total			16	
							Degree Units Total	60

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Last modified 2023-08-02

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: Physics, Calculus, General Chemistry, Major Biology, and Organic Chemistry.

The following courses fulfill the Upper Division Scientific Inquiry GE B5 requirement: CHEM 3200, CHEM 4550, and either CHEM 5850 or CHEM 5860.

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Year 1: Junior Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 2010	Fall	CHEM 2100 with a grade of C or higher	5	BIOL 2020	Spring	BIOL 2010 with a grade of C or better	5	
CHEM 3400	Fall	CHEM 2200/L with a grade of C or better	5	CHEM 3500	Spring	CHEM 3400 with a grade of C or better	5	
PHYS 2500	Fall & Spring	MATH 2210; MATH 2220 (Corequisite)	4	PHYS 2510	Fall & Spring	MATH 2220, PHYS 2500	4	
PHYS 2500L	Fall & Spring	PHYS 2000 (Corequisite)	1	PHYS 2510L	Fall & Spring	PHYS 2510 (Corequisite)	1	
Semester Total			15	Semester Total			15	

Year 2: Junior/Senior Year				Year Total				23
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 3200	Fall & Spring	CHEM 2100 and CHEM 2200	4	CHEM Concentration Elective	Fall & Spring	Varies	2	
CHEM 4100	Fall & Spring	CHEM 2300, 2500, or 3400; and BIOL 2010	3	MATH 2270 or MATH 2320	Fall & Spring	Varies	3	
CHEM 4100L	Fall & Spring	CHEM 4100 (Corequisite)	1	General Education (UD)	Fall & Spring		3	
MATH 2310	Fall & Spring	MATH 2210 and MATH 2220	4	General Education (UD)	Fall & Spring		3	
Semester Total			12	Semester Total			11	

Year 3: Senior Year				Year Total				20
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 4300	Fall	CHEM 3200 and CHEM 3500	4	CHEM 4500	Spring	CHEM 4400	3	
CHEM 4400	Fall	CHEM 3200; MATH 2220; PHYS 2510/L	3	CHEM 4550	Spring	CHEM 4500 (Corequisite)	1	
CHEM 5800	Fall	CHEM 3200 and CHEM 3500	1	CHEM 5200	Spring	CHEM 3200 and 3500; PHYS 2510 and 2510L	5	
CHEM 5990	Fall & Spring	Senior Standing	0	CHEM 5850 or CHEM 5860	Spring	CHEM 5800	1	
CHEM Concentration Elective	Fall & Spring	Varies	2					
Semester Total			10	Semester Total			10	
Degree Units Total							73	

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The following courses fulfill the Upper Division Scientific Inquiry GE B5 requirement: CHEM 3200, CHEM 4550, and either CHEM 5850 or CHEM 5860.