

Bachelor of Science - Chemistry - Chemistry Concentration
First Time Freshman Academic Roadmap

Year 1: Freshman Year				Year Total				25
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
MATH 1402 (GE 2)	Fall & Spring		3	CHEM 2100 (GE 5A)	Fall & Spring	College Math (Corequisite)	4	
MATH 1402L	Fall & Spring	MATH 1402 (Corequisite)	1	CHEM 2100L (GE 5C)	Fall & Spring	CHEM 2100 (Corequisite)	1	
Free Elective	Fall & Spring		3	MATH 1403	Fall & Spring	MATH 1402	4	
Oral Communication (GE 1C)	Fall & Spring		3	Critical Thinking (GE 1B)	Fall & Spring		3	
Written Communication (GE 1A)	Fall & Spring		3					
Semester Total			13	Semester Total			12	
Year 2: Freshman/Sophomore Year				Year Total				24
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
MATH 2210	Fall & Spring	MATH 1401 or 1403	4	MATH 2220	Fall & Spring	MATH 2210	4	
CHEM 2200	Fall & Spring	CHEM 2100	4	PHYS 2500	Fall & Spring	MATH 2210; MATH 2220 (Corequisite)	4	
CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	PHYS 2500L	Fall & Spring	PHYS 2500 (Corequisite)	1	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
Semester Total			12	Semester Total			12	
Year 3: Sophomore/Junior Year				Year Total				26
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 3400	Fall	CHEM 2200 and CHEM 2200L	5	CHEM 3200	Fall & Spring	CHEM 2100/L and CHEM 2200/L	4	
MATH 2310	Fall & Spring	MATH 2210 and MATH 2220	4	CHEM 3500	Spring	CHEM 3400	5	
PHYS 2510	Fall & Spring	PHYS 2500	4	MATH 2270 or 2320	Fall & Spring	Varies	3	
PHYS 2510L	Fall & Spring	PHYS 2510 (Corequisite)	1					
Semester Total			14	Semester Total			12	
Year 4: Junior/Senior Year				Year Total				24
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 2010 (GE B2)	Fall	CHEM 2100	5	CHEM 4500	Spring	CHEM 4400	3	
CHEM 4300	Fall	CHEM 3200 and CHEM 3500	4	CHEM 4550	Spring	CHEM 4500 (Corequisite)	1	
CHEM 4400	Fall	CHEM 3200; MATH 2220; PHYS 2510/L	3	CHEM Elective	Fall & Spring	Varies	2	
				General Education	Fall & Spring		3	
				General Education	Fall & Spring		3	
Semester Total			12	Semester Total			12	
Year 5: Senior Year				Year Total				25
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 5200	Spring	CHEM 3200 and 3500; PHYS 2510 and 2510L	5	
CHEM 4100L	Fall & Spring	CHEM 4100 (Corequisite)	1	CHEM 5850 or 5860	Spring	CHEM 5800	1	
CHEM 5800	Fall	CHEM 3200 and CHEM 3500	1	General Education (UD)	Fall & Spring		3	
CHEM 5990	Fall & Spring	Senior Standing	0	General Education (UD)	Fall & Spring		3	
CHEM Elective	Fall & Spring	Varies	2					
General Education	Fall & Spring		3					
General Education	Fall & Spring		3					
Semester Total			13	Semester Total			12	
				Degree Units Total			124	