

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

Year 1: Freshman Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 2100 (GE B1)	Fall & Spring	College Math (Corequisite)	4	CHEM 2200	Fall & Spring	CHEM 2100	4	
CHEM 2100L (GE B3)	Fall & Spring	CHEM 2100 (Corequisite)	1	CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	
MATH 2210 (GE B4)	Fall & Spring	MATH 1401	4	MATH 2220	Fall & Spring	MATH 2210	4	
Foundation Seminar (GE E)	Fall & Spring		3	Critical Thinking (GE A3)	Fall & Spring		3	
Oral Communication (GE A1)	Fall & Spring		3	Written Communication (GE A2)	Fall & Spring		3	
Semester Total			15	Semester Total			15	

Year 2: Sophomore Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 3400	Fall	CHEM 2200 and CHEM 2200L	5	BIOL 1000 (GE B2)	Fall & Spring		3	
MATH 2310	Fall & Spring	MATH 2220	4	BIOL 1000L	Fall & Spring	BIOL 1000 (Corequisite)	1	
General Education	Fall & Spring		3	CHEM 3500	Spring	CHEM 3400	5	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
				General Education	Fall & Spring		3	
Semester Total			15	Semester Total			15	

Year 3: Junior Year				Year Total				29
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 Elective	Fall & Spring	Varies	3	
CHEM Elective	Fall & Spring	Varies	3	PHYS 2010	Fall & Spring	PHYS 2000	4	
PHYS 2000	Fall & Spring	MATH 2210	4	PHYS 2010L	Fall & Spring	PHYS 2010 (Corequisite)	1	
PHYS 2000L	Fall & Spring	PHYS 2000 (Corequisite)	1	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
Semester Total			15	Semester Total			14	

Year 4: Senior Year				Year Total				31
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 4300	Fall	CHEM 2500 or 3500, and CHEM 3200	4	CHEM 4500	Spring	CHEM 4400	3	
CHEM 4400	Fall	CHEM 3200; MATH 2220; PHYS 2010/L	3	CHEM 4550	Spring	CHEM 4500 (Corequisite)	1	
CHEM 5800	Fall	CHEM 3200 and CHEM 3500	1	CHEM Elective	Fall & Spring	Varies	3	
General Education (UD)	Fall & Spring		3	Free Elective	Fall & Spring		3	
General Education (UD)	Fall & Spring		3	Free Elective	Fall & Spring		2	
Free Elective	Fall & Spring		2	Free Elective	Fall & Spring		3	
Semester Total			16	Semester Total			15	
Degree Units Total							120	

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Year 1: Freshman Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
MATH 1402 (GE B4)	Fall & Spring		3	CHEM 2100 (GE B1)	Fall & Spring	College Math (Corequisite)	4
MATH 1402L	Fall & Spring	MATH 1402 (Corequisite)	1	CHEM 2100L (GE B3)	Fall & Spring	CHEM 2100 (Corequisite)	1
Foundation Seminar (GE E)	Fall & Spring		3	MATH 1403	Fall & Spring	MATH 1402	4
Oral Communication (GE A1)	Fall & Spring		3	Critical Thinking (GE A3)	Fall & Spring		3
Written Communication (GE A2)	Fall & Spring		3				
Semester Total			13	Semester Total			12

Year 2: Freshman/Sophomore Year				Year Total			
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	CHEM 3200	Fall & Spring	CHEM 2100 and CHEM 2200	4
CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	General Education	Fall & Spring		3
General Education	Fall & Spring		3	General Education			3
Semester Total			12	Semester Total			14

Year 3: Sophomore/Junior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 3400	Fall	CHEM 2200 and CHEM 2200L	5	BIOL 1000 (GE B2)	Fall & Spring		3
MATH 2310	Fall & Spring	MATH 2220	4	BIOL 1000L	Fall & Spring	BIOL 1000 (Corequisite)	1
General Education	Fall & Spring		3	CHEM 3500	Spring	CHEM 3400	5
				General Education	Fall & Spring		3
Semester Total			12	Semester Total			12

Year 4: Junior/Senior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 4300	Fall	CHEM 2500 or 3500, and CHEM 3200	4	CHEM Elective	Fall & Spring	Varies	3
PHYS 2000	Fall & Spring	MATH 2210	4	PHYS 2010	Fall & Spring	PHYS 2000	4
PHYS 2000L	Fall & Spring	PHYS 2000 (Corequisite)	1	PHYS 2010L	Fall & Spring	PHYS 2010 (Corequisite)	1
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3
				Free Elective	Fall & Spring		2
Semester Total			12	Semester Total			13

Year 5: Senior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
CHEM 4400	Fall	CHEM 3200; MATH 2220; PHYS 2010/L	3	CHEM 4500	Spring	CHEM 4400	3
CHEM 5800	Fall	CHEM 3200 and CHEM 3500	1	CHEM 4550	Spring	CHEM 4500 (Corequisite)	1
CHEM Elective	Fall & Spring	Varies	3	CHEM Elective	Fall & Spring	Varies	3
General Education (UD)	Fall & Spring		3	General Education (UD)	Fall & Spring		3
Semester Total			10	Semester Total			10
Degree Units Total							120

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