Four-Year Degree Plan for Major in Chemistry,

Note that this is a sample four-year plan. There are other course sequences that will allow a student to graduate within four years as long as prerequisite courses are taken in the proper sequence. This sample plan does not guarantee course availability and adjustments to your plan may be necessary if you are unable to take a specific course during a specific semester. Students who are placed into lower level AWR, MAT or other prerequisite courses will need to adjust their 4-year plans accordingly. Similarly, students who bring in Advanced Placement, Dual Enrollment or transfer credit for courses will need to adjust their four-year plans accordingly. A minimum of a 2.0 GPA both overall and in the major is required for graduation. In addition to major requirements, all components of the Baccalaureate Experience must be completed in order to graduate. A student must earn a minimum of 124 credit hours to qualify for the Bachelor of Science degree in Chemistry.

First (Freshn	nan) Year - Fall Semester			
CHE 152	General Chemistry I	3		
CHE 153L	General Chemistry I Laboratory	1		
MAT 260	Calculus I	4		
AWR 101	Writing and Inquiry	4		
BAC 101	First-Year Seminar I	1		
	or			
HON 101	Pathways to Honors 1	1		
	Subtota	l: 13		
CHE 152, 1	53L, MAT 260: Grade "C" or better			
First (Freshman) Year - Spring Semester				
CHE 154	General Chemistry II	3		
CHE 155L	General Chemistry II Laboratory	1		
MAT 261	Calculus II	4		
BIO 198	General Biology I	4		
BIO 198L	General Biology I Laboratory			
	Social Science (Bacc. Exp)	4		
BAC 102	First-Year Seminar II	1		
	or			
HON 102	Pathways to Honors 2	1		
	Subtota	l: 17		
CHE 154, C	CHE 155L, MAT 261: Grade "C" or bet	ter		
Social Scien	nce: (IG) (NW)			
Second (Sophomore) Year - Fall Semester				
CHE 232	Organic Chemistry I	3		
CHE 233L	Organic Chemistry I Laboratory	1		
CHE 310	Analytical Chemistry	4		
CHE 310L	Analytical Chemistry Laboratory			
PHY 205	General Physics with Calculus I	4		
PHY 205L	General Physics with Calculus I			
	Laboratory			
	Humanities/Fine Arts (Bacc. Exp.)	4		
	Subtota	l: 16		

Humanities/Fine Arts: (W) CHE 232, CHE 233L (W), CHE 310: Grade "C" or better

Second (Soph	omore) Year - Spring Semester		
CHE 234	Organic Chemistry II	3	
CHE 235L	Organic Chemistry II Laboratory	1	
CHE 245	Intermediate Inorganic Chemistry	4	
CHE 245L	Intermediate Inorganic Chemistry		
	Laboratory		
PHY 206	General Physics with Calculus II	4	
PHY 206L	General Physics with Calculus II		
	Laboratory		
AWR 201	Writing and Research	4	
		tal: 16	
CHE 234, C	CHE 235L (W), CHE 245: Grade	"C" or	
better			
Third (Junior	Year - Fall Semester		
CHE 320	Biochemistry	3	
CHE 352	Physical Chemistry I	3	
CHE 353L	Physical Chemistry I Laboratory	1	
MAT 262	Calculus III	4	
	Humanities/Fine Arts (Bacc. Exp.)	4	
		tal: 15	
Humanities/	Fine Arts: (A)		
	HE 353L: Grade "C" or better		
	Year - Spring Semester		
CHE 354	Physical Chemistry II	3	
CHE 355L	Physical Chemistry II Laboratory	1	
CHE 333E	General Elective (W)	4	
	Humanities Fine Arts (Bacc Exp)	4	
	Social Science (Bacc. Exp)	4	
Subtotal: 16 Fourth (Senior) Year - Fall Semester			
CHE 451	Introduction to Research	1-4	
CHE 425	Advanced Inorganic Chemistry	3	
	General Elective (W)	4	
	Social Science (Bacc. Exp)	4	
	General Elective	4	
4 41 60	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tal: 16	
	CHE 451 should be taken		
	r) Year - Spring Semester		
CHE 430	Advanced Instrumental Chemistry	4	
CHE 430L	Advanced Instrumental Chemistry		
	Laboratory		
CHE 451	Introduction to Research	1-4	
	General Elective	4	
	General Elective	4	
1 credit of CHE 451 should be taken			
One of the foll	lowing:		
CHE 426	Advanced Organic Chemistry	3	
CHE 445	Advanced Organic Spectroscopy	3	
CHE 499	Special Topics in Chemistry	1-4	
Subtotal: 16-17			
CHE 430: (W)			
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Second (Sanhamara) Voor Spring Samuetar

3-4 credits of CHE 426, CHE 445 or CHE 499 are required

Note: The natural science and math components of the Baccalaureate Experience are fulfilled by courses in the above sequence (i.e., BIO 198, CHE 152, MAT 260).

MAT 262 is strongly recommended for the B.S. Chemistry major.