



**Sample 4 Year Plan
Bachelor of Science
Chemistry
Professional Chemistry Concentration**

		Fall Semester		Spring Semester		
First Year		Course Information	Credit Hrs		Course Information	Credit Hrs
	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3
	AP	ENGL 1010 – English Composition I	3		MATH 1920 – Calculus II	4
	AP	MATH 1910 – Calculus I	4	AP	CHEM 1120/1121 – General Chemistry II w/lab	4
	AP	Humanities and Fine Arts	3		BIOL 1110/1111 – General Biology I w/lab	4
	AP	CHEM 1110/1111 – General Chemistry I w/lab	4			
		TOTAL SCH	15		TOTAL SCH	15

		Fall Semester		Spring Semester		
Second Year		CHEM 2000 – Chemistry Sophomore Seminar	1		CHEM 3520/3521 – Organic Chemistry II w/lab	4
		CHEM 3510/3511 – Organic Chemistry I w/lab	4	AP	COMM 2045 – Public Speaking	3
	AP	ENGL 2330 – Topics in World Literature	3		PHYS 2120/2121 – University Physics II w/lab	4
		PHYS 2110/2111 – University Physics I w/lab	4	AP	Social and Behavioral Sciences	3
	AP	Social and Behavioral Sciences Core	3			
		TOTAL SCH	15		TOTAL SCH	14

		Fall Semester		Spring Semester		
Third Year		CHEM 3210/3211 – Quantitative Analysis w/lab	4		CHEM 3220/3221 – Instrumental Analysis w/lab	4
		CHEM 4310/4311 – Biochemistry I w/lab	4		CHEM 3440/3441 – Inorganic Chemistry w/lab	4
	AP	History Core	3	AP	History Core	3
		Elective	3	AP	Humanities and Fine Arts Core	3
		STEM Upper Division Directed Elective	4		CHEM 4941 – Elements of Research	1
					CHEM 4000 – Chemistry Senior Seminar	1
		TOTAL SCH	18		TOTALSCH	16

		Fall Semester		Spring Semester		
Fourth Year		CHEM 3610/3611 – Physical Chemistry I w/lab	4		Elective	3
		CHEM Upper Division Directed Elective	4		CHEM 3620/3621 – Physical Chemistry II w/lab	4
		CHEM 4941 – Elements of Research	1		CHEM 4990 – Research Thesis	1
		Elective	3		Elective	3
		Elective	3		STEM Upper Division Directed Elective	4
		TOTAL SCH	15		TOTAL SCH	15

*AP designates General Education Core Course to be completed for your degree.

**Bachelor degrees require the completion of 33 upper division (3000 – 4999) credit hours.