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	First Semester		Second Semester	
1 st	CHEM 1211K (4)	Chemical Principles I	CHEM 1212K (4)	Chemical Principles II
Year	MATH 1551 (2)	Differential Calculus	CHEM 2601 (1)	Prof. Skills for Chemists
	ENGL 1101 (3)	English Comp. I	MATH 1552 (4)	Integral Calculus
	GT 1000 (1)	Freshman Seminar	ENGL 1102 (3)	English Comp. II
	CS 1301* (3)	CS Requirement	BIOS 1107 (3)	Biological Principles
	APPH 10XX* (2)	Wellness Requirement	BIOS 1107L (1)	Biological Principles Lab
	Sub-Total (15)		Sub-Total (16)	
2 nd	CHEM 2214 (4)	Quantitative Analysis	CHEM 2312** (3)	Organic Chemistry II
Year	CHEM 2311 (3)	Organic Chemistry I	CHEM 2380 (2)	Synthesis Lab I
	MATH 1553 (2)	Intro. Linear Algebra	MATH 2551 (4)	Multivariable Calculus
	PHYS 2211 (4)	Intro. to Physics I	PHYS 2212 (4)	Intro. to Physics II
	Free Elective (3)		Core Elective* (3)	
	Sub-Total (16)		Sub-Total (16)	
3 rd	CHEM 3411 (3)	Physical Chemistry I	CHEM 3412 (3)	Physical Chemistry II
Year	CHEM 3111 (3)	Inorganic Chemistry	CHEM 3481 (2)	Physical Chem. Lab
	CHEM 3380 (3)	Synthesis Lab II	CHEM 3216 (3)	Analytical Chemistry
	Core Elective* (3)		CHEM 3216L (2)	Analytical Chemistry Lab
	Core Elective* (3)		Core Elective* (3)	
			Free Elective (3)	
	Sub-Total (15)		Sub-Total (16)	
4 th	CHEM 4699***** (2)	Undergrad Research	CHEM Elective**** (3)	
Year	BCHM Elective*** (3)		Tech. Elective***** (3)	
	CHEM Elective****(3)		Core Elective* (3)	
	Tech. Elective***** (3)		Free Elective (5)	
	Core Elective* (3)			
	Sub-Total (14)		Sub-total (14)	

Note: 39 credit hours of 3XXX/4XXX level coursework is required to graduate.

Only Free Electives can be taken as Pass/Fail.

Maximum 6 hours of CHEM 2699 and 12 hours of CHEM 4699.

The last 36 hours must be taken in residence and may not be transferred in.

* Core Electives:	APPH 1040 or 1050 or 1060 (2) CS 1301 (3) Humanities electives (6 hours required) Social Sciences electives (9 hours required) History/constitution requirement: HIST 2111 (3), HIST 2112 (3), PUBP 3000 (3), INTA 1200 (3), or POL 1101 (3) (Credit not allowed for both INTA 1200 and POL 1101)			
** CHEM 2312:	CHEM 2313, Bioorganic Chemistry II, can be substituted for CHEM 2312, Organic Chemistry II.			
*** BCHM Elective:	CHEM 3511, Survey of Biochemistry, or CHEM 4511, Biochemistry I			
****CHEM Electives:	A minimum of 6 credit hours of chemistry electives are necessary for graduation. Chemistry electives include all 3XXX/4XXX level chemistry courses that are not specifically required for the major. (Credit not allowed for CHEM 3511 with CHEM 4511 or 4512 and a maximum of 3 credit hours of CHEM 4699 can be used toward chemistry electives.)			
**** Tech. Electives:	minimum of 6 credit hours of 3XXX/4XXX level coursework in Science, Engineering, and omputing. A maximum of 3 credit hours of CHEM 4699 can be used toward technical ectives. MATH 2403 or MATH 2552 may also be used for a technical elective.			
***** CHEM 4699:	CHEM 4695, Undergraduate Internship, can be substituted for CHEM 4699, Undergraduate Research.			