BLUFFTON UNIVERSITY

CHEMISTRY MAJOR WITH PRE-MEDICINE MAJOR

Four Year Plan for students starting in even years

This is a suggested program guide. It is not to be interpreted as a contract. Changes may occur. Please see your program advisor before you register for courses. updated 5/18

YEAR	FALL			SPRING		
First Year	LAS 105	Becoming a Scholar	3	ENG 110/120	College English	3
	(CPS 108	Computer Programming	3)		Electives/General Education	3
	CEM 121	General Inorganic Chemistry 1	5	CEM 122	General Inorganic Chemistry 2	5
	MAT 135	Calculus 1	5	MAT 136	Calculus 2	5
	Total		16	Total		16
Second Year		Electives/General Education	3		Electives/General Education	3
	BIO 230	*Human Anatomy & Physiology 1*	*4*	*BIO 231*	*Human Anatomy & Physiology 2*	*4*
	CEM 221	Organic Chemistry 1	4	CEM 222	Organic Chemistry 2	4
	PHY 211	Physics for Science/Engineering 1	5	PHY 212	Physics for Science/ Engineering 2	5
	Total		16	Total		16
Third Year		Electives/General Education	6	LAS 342	Cross-cultural Experience	3
	BIO 200	*Genetics*	*4*	BIO 310	Developmental Biology*	4
	CEM 326	Physical Chemistry 1*	5	*CEM 341*	*Biochemistry**	*3*
	Total		15	CEM 327	Physical Chemistry 2*	5
				Total		15
Fourth Year		Electives/General Education	3		Electives/General Education	3
	LAS 301	Issues in Modern America	3	LAS 400	Christian Values in a Global Community	3
	CEM 330	Advanced Inorganic Chemistry*	4	*BIO 301*	*Microbiology*	*4*
	CEM 360	Instrumental Analysis*	4	CEM 311	Advanced Organic Chemistry*	2
	Total		14	CEM 230	Analytical Chemistry	4
				Total		16

124 total hours to complete graduation requirements (this includes 2 hours of arts and lecture credit)
Boldface print denotes major course requirement
Bold and italic – extra courses for pre-medicine.
*Alternate year courses
( ) Electives that are very strongly recommended

The following courses are strongly recommended as electives

MAT 225 Multivariate Calculus 3
MAT 230 Linear Algebra 3
MAT 350 Differential Equations and Modeling* 3