

CHEMISTRY MAJOR WITH PRE-MEDICINE MAJOR

Four Year Plan for students starting in odd 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 5/17

YEAR	FALL	SPRING
First Year	LAS 105 Becoming a Scholar 3 (CPS 108 Computer Programming 3) CEM 121 General Inorganic Chemistry 1 5 MAT 135 Calculus 1 5 Total 16	ENG 110/120 College English 3 Electives/General Education 3 CEM 122 General Inorganic Chemistry 2 5 MAT 136 Calculus 2 5 Total 16
Second Year	Electives/General Education 3 BIO 230 Human Anatomy & Physiology 1 4 CEM 221 Organic Chemistry 1 4 PHY 211 Physics for Science/Engineering 1 5 Total 16	Electives/General Education 3 BIO 231 Human Anatomy & Physiology 2 4 CEM 222 Organic Chemistry 2 4 PHY 212 Physics for Science/ Engineering 2 5 Total 16
Third Year	Electives/General Education 6 CEM 330 Advanced Inorganic Chemistry* 4 CEM 360 Instrumental Analysis* 4 Total 16	Electives/General Education 3 LAS 342 Cross-cultural Experience 4 BIO 301 Microbiology 4 CEM 311 Advanced Organic Chemistry* 2 CEM 230 Analytical Chemistry 4 Total 17
Fourth Year	Electives/General Education 3 LAS 301 Issues in Modern America 3 BIO 200 Genetics 4 CEM 326 Physical Chemistry 1* 5 Total 15	LAS 400 Christian Values in a Global Community 3 BIO 310 Developmental Biology* 4 CEM 341 Biochemistry* 3 CEM 327 Physical Chemistry 2* 5 Total 15

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