

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 7/22

YEAR	FALL	SPRING
First Year	BENV 100 Becoming a Scholar 3 (CPS 108 Computer Programming 3) CEM 121 General Inorganic Chemistry 1 5 MAT 135 Calculus 1 5 Total 16	Writing Well Competency 3 Speaking and Listening Competency 3 CEM 122 General Inorganic Chemistry 2 5 MAT 136 Calculus 2 5 Total 16
Second Year	Reading the Bible Competency 3 BIO 230 Human Anatomy & Physiology 1 4 CEM 221 Organic Chemistry 1 4 PHY 211 Physics for Science/Engineering 1 5 Total 16	Understanding Self and Society Competency 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	Creative Expression Competency 3 BENV 200 Learning in Community 5 CEM 330 Advanced Inorganic Chemistry* 4 CEM 360 Instrumental Analysis* 4 Total 16	Religious Understanding Competency 3 BENV 300 Cross-cultural Experience 3 BIO 301 Microbiology 4 BIO 315 Immunology* 3 CEM 311 Advanced Organic Chemistry* 2 Total 15
Fourth Year	Living Well Competency 2-3 Exploring the Past Competency 3 BIO 303 Genetics 4 CEM 326 Physical Chemistry 1* 5 Total 14-15	BENV 400 Christian Values in a Global Community 2 CEM 341 Biochemistry* 3 CEM 327 Physical Chemistry 2* 5 CEM 230 Analytical Chemistry 4 Total 14

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

Note: The Scientific Inquiry and Critical Analysis Competencies are met by the major.