

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 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	BENV 200 Learning-in-Community 5 Living Well Competency 2-3 BIO 303 Genetics 4 CEM 326 Physical Chemistry 1* 5 Total 16-17	BENV 300 Cross-cultural Experience 3 CEM 230 Analytical Chemistry 4 CEM 341 Biochemistry* 3 CEM 327 Physical Chemistry 2* 5 Total 15
Fourth Year	Creative Expression Competency 3 Exploring the Past Competency 3 CEM 330 Advanced Inorganic Chemistry* 4 CEM 360 Instrumental Analysis* 4 Total 14	Religious Understanding Competency 3 BENV 400 Christian Values in a Global Community 2 BIO 301 Microbiology 4 BIO 315 Immunology* 3 CEM 311 Advanced Organic Chemistry* 2 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.