

CHEMISTRY 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 5/21

YEAR	FALL	SPRING
First Year	BENV 100 Becoming a Scholar 3 CEM 121 General Inorganic Chemistry 1 5 (CPS 108 Computer Programming 3) MAT 135 Calculus 1 5 Total 16	Writing Well Competency 3 Living Well Competency 2-3 CEM 122 General Inorganic Chemistry 2 5 (MAT 136 Calculus 2 5) Total 15-16
Second Year	BENV 200 Learning in Community 5 Elective 3 CEM 221 Organic Chemistry 1 4 PHY 211 Physics for Science/Engineering 1 5 Total 17	Creative Expression Competency 3 CEM 222 Organic Chemistry 2 4 CEM 230 Analytical Chemistry 4 PHY 212 Physics for Science/ Engineering 2 5 Total 16
Third Year	Speaking and Listening Competency 3 Reading the Bible Competency 3 Electives 6 CEM 326 Physical Chemistry 1* 5 Total 17	Understanding Self and Society Competency 3 Electives 3 BENV 300 Cross-cultural Experience 3 CEM 327 Physical Chemistry 2* 5 Total 14
Fourth Year	Electives 3 Religious Understanding Competency 3 CEM 330 Advanced Inorganic Chemistry* 4 CEM 360 Instrumental Analysis* 4 Total 14	Exploring the Past 3 Elective 6 BENV 400 Christian Values in a Global Community 2 CEM 311 Advanced Organic Chemistry* 2 Total 13

124 total hours needed to complete graduation requirements. (This includes 2 hours of arts and lecture credit.)

*Alternate year courses

Boldface print denotes major course requirement

() Electives that are very strongly recommended

Additional courses which 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.