

BIOLOGY 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 5/20

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 Living Well Competency 2-3 CEM 121 General Inorganic Chemistry 1 5 MAT 135 Calculus 1 5 (or MAT 114 Pre-calculus – if needed 4) Total 14-16	Writing Well Competency 3 BIO 135 Botany 4 CEM 122 General Inorganic Chemistry 2 5 MAT 136 Calculus 2 5 Total 17
Second Year	Speaking and Listening 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	Creative Expression 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	Understanding Self and Society Competency 3 BIO 303 Genetics* 4 BIO 335 Cell Biology 4 CEM 326 Physical Chemistry 1* 5 Total 16	BENV200 Learning in Community 5 BENV300 Cross-cultural Experience 3 BIO 301 Microbiology 4 CEM 341 Biochemistry* 3 Total 15
Fourth Year	Electives 3-7 Reading the Bible Competency 3 Exploring the Past Competency 3 BIO 330 General Ecology* 4 Total 13-17	Religious Understanding Competency 3 BENV400 Christian Values in a Global Community 2 BIO 205 Invertebrate Zoology* 4 BIO 315 Immunology* 3 CEM 230 Analytical Chemistry 4 Total 16

*Alternate year courses

Boldface print denotes major course requirement. A statistics class is also highly recommended.

Boldface and italics print denotes the five extra courses added to the biology major for the pre-medicine major.

In general, competencies may be taken in any order. The exceptions are that Writing Well should be taken in the first year and

Reading the Bible must be completed prior to taking the Religious Understanding competency.

Introduction to Psychology is often a prerequisite course required for further study in the medical field and should be taken for the Understanding Self and Society competency. A course in sociology is also recommended.

Total hours needed to complete graduation requirements are 124. (This includes 2 hours of Arts and Lecture credit.)

Note: This plan assumes that Scientific Inquiry and Critical Analysis competencies are met by the major.