

BIOLOGY 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 5/21

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 Writing Well Competency 3 CEM 121 General Inorganic Chemistry 1 5 MAT 135 Calculus 1 5 (or MAT 114 Pre-calculus – if needed 4) Total 15-16	Reading the Bible Competency 3 Speaking and Listening Competency 3 CEM 122 General Inorganic Chemistry 2 5 BIO 135 Botany 4 Total 15
Second Year	Creative Expression 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	BENV200 Learning in Community 5 BIO 231 Human Anatomy & Physiology 2 4 PHY 212 Physics for Science/ Engineering 2 5 (Elective 3) Total 14-17
Third Year	Living Well Competency 2-3 Understanding Self and Society Competency 3 BIO 330 General Ecology (offered odd years only)* 4 BIO 335 Cell Biology 4 (Elective 3) Total 13-17	BENV300 Cross-cultural Experience 3 BIO 205 Invertebrate Zoology (offered even years only)* 4 BIO 301 Microbiology 4 BIO 315 Immunology (offered even years only)* 3 (Elective 3) Total 14-17
Fourth Year	BENV400 Christian Values in a Global Community 2 Exploring the Past Competency 3 BIO 303 Genetics (offered even years only)* 4 (Electives 5-8) Total 14-17	Religious Understanding Competency 3 (Electives 11-14) Total 14-17

*Alternate year courses

Boldface print denotes major course requirement. Students anticipating graduate study should take Calculus 2 and Organic Chemistry 2. A statistics class is also highly recommended. In addition, CEM 341 Biochemistry (offered spring of odd years) is encouraged. Other suggested courses include NTR225 Fundamentals of Nutrition, NTR340 Human Pathophysiology, or upper-level chemistry courses.

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

Note: The Scientific Inquiry and Critical Analysis competencies are met by the 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. The timing of the remaining competencies is flexible and may be adjusted to accommodate desired elective courses.