

## BIOLOGY 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 <b>CEM 121 General Inorganic Chemistry 1</b> 5 <b>MAT 135 Calculus 1</b> 5 (or MAT 114 Pre-calculus – if needed 4) Total 14-16	Writing Well Competency 3 Speaking and Listening Competency 3 <b>BIO 135 Botany</b> 4 <b>CEM 122 General Inorganic Chemistry 2</b> 5 Total 15
Second Year	Creative Expression Competency 3 <b>BIO 230 Human Anatomy &amp; Physiology 1</b> 4 <b>CEM 221 Organic Chemistry 1</b> 4 <b>PHY 211 Physics for Science/Engineering 1</b> 5 Total 16	BENV200 Learning in Community 5 <b>BIO 231 Human Anatomy &amp; Physiology 2</b> 4 <b>PHY 212 Physics for Science/ Engineering 2</b> 5 Total 14
Third Year	Understanding Self and Society Competency 3 Reading the Bible Competency 3 <b>BIO 303 Genetics*</b> 4 <b>BIO 335 Cell Biology</b> 4 Total 14	Electives 7-10 BENV300 Cross-cultural Experience 3 <b>BIO 301 Microbiology</b> 4 Total 14-17
Fourth Year	Electives 5-8 BENV400 Christian Values in a Global Comm. 2 Exploring the Past Competency 3 <b>BIO 330 General Ecology*</b> 4 Total 14-17	Electives 4-7 Religious Understanding Competency 3 <b>BIO 205 Invertebrate Zoology*</b> 4 <b>BIO 315 Immunology*</b> 3 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.

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.

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