

## Biology and Pre-Physical Therapy Double 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 6/24

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 <b>BUS/PSY/SOC 284 General Statistics*</b> 3 Total 17
Third Year	Understanding Self and Society Competency 3 Reading the Bible Competency 3 <b>BIO 330 General Ecology*</b> 4 <b>BIO 335 Cell Biology</b> 4 <b>PSY 110 Introduction to Psychology</b> 3 Total 17	<b>PSY 235 Developmental Psychology**</b> 3 BENV300 Cross-cultural Experience 3 <b>BIO 205 Invertebrate Zoology*</b> 4 <b>BIO 301 Microbiology</b> 4 <b>BIO 315 Immunology*</b> 3 Total 17
Fourth Year	<b>PSY 250 Abnormal Psychology**</b> 3 <b>HFS 320 Exercise Physiology</b> 3 BENV400 Enduring Values Capstone 2 Exploring the Past Competency 3 <b>BIO 303 Genetics*</b> 4 Total 15	<b>HFS 310 Kinesiology</b> 3 Religious Understanding Competency 3 Electives 8-10 Total 14-17

\*Alternate year courses

\*\*Need one of the two additional psychology 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.)

**Note:** The Scientific Inquiry and Critical Analysis competencies are met by the major.