

## 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 9/23

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 Writing Well Competency 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 15-16	Reading the Bible Competency 3 Understanding Self and Society Competency 3 <b>CEM 122 General Inorganic Chemistry 2</b> 5 <b>MAT 136 Calculus 2</b> 5 Total 16
Second Year	Speaking and Listening 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	Creative Expression Competency 3 <b>BIO 231 Human Anatomy &amp; Physiology 2</b> 4 <b>CEM 222 Organic Chemistry 2</b> 4 <b>PHY 212 Physics for Science/Engineering 2</b> 5 Total 16
Third Year	BENV200 Learning in Community 5 Living Well Competency 2-3 <b>BIO 303 Genetics (offered even years only)*</b> 4 <b>CEM 326 Physical Chemistry 1 (offered even years only)*</b> 5 Total 16-17	BENV300 Cross Cultural Experience 3 <b>BIO 301 Microbiology</b> 4 <b>CEM 230 Analytical Chemistry</b> 4 <b>CEM 341 Biochemistry (offered odd years only)*</b> 3 (Elective 3) Total 14-17
Fourth Year	Exploring the Past Competency 3 Religious Understanding Competency 3 BIO335 Cell Biology (HIGHLY recommended) 4 (Electives 2-7) Total 12-17	BENV400 Enduring Values Capstone 2 <b>BIO 315 Immunology (offered even years only)*</b> 3 (Electives 7-12) Total 12-17

\*Alternate year courses. Even/odd designation refers to calendar year (NOT to the year in which the academic year began). **Boldface** print denotes major course requirements. **BIO335 Cell Biology** (offered every fall) and a statistics class are also highly recommended. Completion of an additional major in chemistry or biology is 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. 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.

**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. **Introduction to Sociology** is also recommended.