

## 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 <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 Reading the Bible 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 Understanding Self and Society Competency 3 <b>BIO 303 Genetics*</b> 4 <b>CEM 326 Physical Chemistry 1*</b> 5 Total 17	(Elective 3) BENV300 Cross Cultural Experience 3 <b>BIO 301 Microbiology</b> 4 <b>CEM 230 Analytical Chemistry</b> 4 <b>CEM 341 Biochemistry*</b> 3 Total 14-17
Fourth Year	Electives 8-11 Exploring the Past Competency 3 Religious Understanding Competency 3 Total 14-17	Electives 7-12 BENV400 Christian Values in a Global Comm. 2 <b>BIO 315 Immunology*</b> 3 Total 12-17

\*Alternate year courses

**Boldface** print denotes major course requirements. A statistics class and BIO335 Cell Biology (offered every fall) are also highly recommended. Completion of an additional major in chemistry or biology is recommended.

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.