

# MATHEMATICS: PRE-MEDICAL SCIENCES, BS

## Example Plan of Study

### Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 2144	Calculus I (A)	4
BIOL 1114	Introductory Biology (LN)	4
General Education courses		4
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3
MATH 2153	Calculus II (A)	3
BIOL 1604	Animal Biology	4
General Education courses		5
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
MATH 2163	Calculus III	3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
CHEM 1314	Chemistry I (LN)	4
General Education courses		4
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 2233	Differential Equations	3
MATH 3013	Linear Algebra (A)	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
CHEM 1515	Chemistry II (LN)	5
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
MATH 3613	Introduction to Abstract Algebra	3
MATH 3583	Introduction to Mathematical Modeling (option)	3
BIOL 3204 or CHEM 3053	Physiology or Organic Chemistry I	4
Major, College, and Elective courses		5
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 4023	Introduction to Analysis	3
BIOL 3214 or CHEM 3153	Human Anatomy or Organic Chemistry II	4
CHEM 3112	Organic Chemistry Laboratory (if CHEM 3153)	2
Major, College, and Elective courses		6
<b>Hours</b>		<b>15</b>

### Senior

#### Fall

BIOC 3653	Survey of Biochemistry (optional)	3
Major, College, and Elective courses		12

**Hours 15**

#### Spring

Major, College, and Elective courses		15
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**Hours 15**

**Total Hours 120**