

# MATHEMATICS: APPLIED MATHEMATICS, 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>		
First Year Seminar		1
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
MATH 2144	Calculus I (A)	4
General Education courses		6
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3
MATH 2153	Calculus II (A)	3
General Education courses		10
<b>Hours</b>		<b>16</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
General Education courses		9
<b>Hours</b>		<b>16</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
College and Elective courses		4
<b>Hours</b>		<b>14</b>
<b>Junior</b>		
<b>Fall</b>		
MATH 3613	Introduction to Abstract Algebra	3
Major, College, and Elective courses		12
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 4023	Introduction to Analysis	3
Major, College, and Elective courses		12
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
Major, College, and Elective courses		15
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major, College, and Elective courses		15
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>