

# Curriculum in Mathematics

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<b>Freshman</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
Core Social Science <sup>2</sup>		3 Core Science <sup>5</sup>	4
Core Humanities		3 Core History or Literature <sup>1</sup>	3
Core History		3 <b>MATH 1620 Calculus II</b>	4
<b>MATH 1610 Calculus I</b>		4 COMP 1200 Introduction to Computing for Engineers and Scientists	2
	<b>16</b>		<b>16</b>
<b>Sophomore</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Core Literature		3 Core Social Science or Humanities <sup>3</sup>	3
Core Science <sup>5</sup>		4 <b>MATH 2650 Linear Differential Equations</b>	3
<b>MATH 2630 Calculus III</b>		4 <b>MATH 3100 Introduction to Advanced Mathematics</b>	3
<b>MATH 2660 Topics in Linear Algebra</b>		3 <b>STAT 3600 Probability and Statistics I</b>	3
Elective		3 Elective	3
	<b>17</b>		<b>15</b>
<b>Junior</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Core Social Science <sup>2</sup>		3 Core Fine Arts	3
Foreign Language <sup>4</sup>		4 Foreign Language <sup>4</sup>	4
<b>MATH 5200 Analysis I</b>		3 <b>MATH 5210 Analysis II</b>	3
<b>MATH 5310 Introduction to Abstract Algebra I</b>		3 <b>MATH 5320 Introduction to Abstract Algebra II</b>	3
Elective		3 Elective	3
	<b>16</b>		<b>16</b>
<b>Senior</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Applied Math Elective <sup>7</sup>		3 <b>Math Elective<sup>6</sup></b>	9
<b>MATH 5500 Introduction to Topology</b>		3 Elective	3
<b>Math Elective<sup>6</sup></b>		3 UNIV 4AA0 Creed to Succeed	0
Elective		3	
	<b>12</b>		<b>12</b>

**Total Hours: 120**

<sup>1</sup> Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the *Bulletin*.

<sup>2</sup> Students who choose a HIST sequence other than HIST 1010 and HIST 1020 should talk to an advisor about CORE SOC SCI choices.

<sup>3</sup> If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.

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4 FOREIGN LANGUAGE: 1010-1020 series in French, Greek, German, Italian, Latin, Japanese, Russian, Chinese, Korean, or Spanish.

5 CORE SCIENCE: PHYS 1600- PHYS 1610, BIOL 1020- BIOL 1030, CHEM 1030- CHEM 1040 with labs, or GEOL 1100- GEOL 1110.

6 Math Requisite: Courses designated MATH or STAT at the level of 3000 or higher, no more than one 3000-level course. Subject to advisor's approval.

7 Applied Math Requisite: MATH 5630, MATH 5640, MATH 5670, or MATH 5000.