

# Mathematics, B.A.

Course	Title	Semester Credit Hours
<b>Freshman Year</b>		
<b>Semester 1</b>		
ENGL 1301	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
STAT 1342	Elementary Statistics <sup>1</sup>	3
UNIV 1201	Learning in Global Context	2
Life/Physical Sciences		4
<b>Semester Credit Hours</b>		<b>15</b>
<b>Semester 2</b>		
ENGL 1302	Rhetoric and Composition	3
HIST 1302	American History since 1877	3
MATH 2413	Calculus I <sup>1</sup>	4
Life/Physical Sciences <sup>2</sup>		4
<b>Semester Credit Hours</b>		<b>14</b>
<b>Sophomore Year</b>		
<b>Semester 1</b>		
ENGL 2342	Introduction to Literature	3
MATH 2414	Calculus II <sup>1</sup>	4
POLS 2301	Government and Politics of US	3
Social/Behavioral		3
Foreign Language		3
<b>Semester Credit Hours</b>		<b>16</b>
<b>Semester 2</b>		
MATH 3415	Calculus III <sup>1</sup>	4
POLS 2302	Government and Politics of TX	3
Communications		3
Creative Arts		3
Foreign Language		3
<b>Semester Credit Hours</b>		<b>16</b>
<b>Junior Year</b>		
<b>Semester 1</b>		
ENGL 2314	Technical Writing	3
MATH 3320	Differential Equations <sup>1</sup>	3
MATH 3325	Intro Mathematical Proofs (WI) <sup>1</sup>	3
Foreign Language		3
MATH <sup>1</sup>		3
<b>Semester Credit Hours</b>		<b>15</b>
<b>Semester 2</b>		
MATH 3370	Discrete Mathematics <sup>1</sup>	3
MATH 4321	Real Variables <sup>1</sup>	3
MATH 4341 or MATH 4373	Linear Alg and Matrix Theory or Application of Matrix Methods	3
Foreign Language		3
Minor		3
<b>Semester Credit Hours</b>		<b>15</b>

**Senior Year****Semester 1**

MATH/STAT, adv. <sup>1</sup>	3
MATH/STAT, adv. <sup>1</sup>	3
Minor	3
Minor, adv. <sup>1</sup>	3
Minor, adv. <sup>1</sup>	3
<b>Semester Credit Hours</b>	<b>15</b>

**Semester 2**

Elective/Minor, adv. <sup>3</sup>	2
MATH/STAT, adv. <sup>1</sup>	3
MATH/STAT, adv. <sup>1</sup>	3
Minor, adv. <sup>3</sup>	3
Minor, adv. <sup>3</sup>	3
<b>Semester Credit Hours</b>	<b>14</b>

<b>Total Credit Hours Required:</b>	<b>120</b>
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- <sup>1</sup> No mathematics or statistics course may be counted toward the degree unless the grade is at least a C.
- <sup>2</sup> Both Life/physical sciences must be from the same discipline.
- <sup>3</sup> 45 semester hours of advanced coursework is required.