

Mathematics, B.S.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
ENGL 1301	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
MATH 1348	Analytic Geometry ¹	3
UNIV 1201	Learning in Global Context	2
Life/Physical sciences		4
Semester Credit Hours		15
Semester 2		
ENGL 1302	Rhetoric and Composition	3
HIST 1302	American History since 1877	3
MATH 2413	Calculus I ¹	4
Life/Physical sciences (same) ²		4
Semester Credit Hours		14
Sophomore Year		
Semester 1		
MATH 2414	Calculus II ¹	4
POLS 2301	Government and Politics of US	3
Creative arts		3
Elective(s)		2
MATH elective ¹		3
Semester Credit Hours		15
Semester 2		
MATH 3415	Calculus III ¹	4
POLS 2302	Government and Politics of TX	3
STAT 1342	Elementary Statistics ¹	3
Communications		3
Social/Behavioral		3
Semester Credit Hours		16
Junior Year		
Semester 1		
ENGL 2342	Introduction to Literature	3
MATH 3320	Differential Equations ¹	3
MATH 3325	Intro Mathematical Proofs (WI) ¹	3
Minor		3
Minor		3
Semester Credit Hours		15
Semester 2		
ENGL 2314	Technical Writing	3
MATH 3370	Discrete Mathematics ¹	3
MATH 4321	Real Variables ¹	3
MATH 4340	Modern Algebra	3
Minor		3
Semester Credit Hours		15
Senior Year		
Semester 1		
Elective, adv. ³		3

MATH 4341 or MATH 4373	Linear Alg and Matrix Theory or Application of Matrix Methods	3
MATH/STAT, adv. ¹		3
Minor, adv. ³		3
Minor/Elective, adv. ¹		3
Semester Credit Hours		15
Semester 2		
Elective, adv. ³		3
Elective, adv. ¹		3
MATH/STAT, adv. ¹		3
MATH/STAT, adv. ¹		3
Minor, adv. ³		3
Semester Credit Hours		15
Total Credit Hours Required:		120

¹ No mathematics or statistics course may be counted toward the degree unless the grade is at least a C.

² Both Life/physical sciences must be from the same discipline.

³ 45 semester hours of advanced coursework is required.

Minor of 18-24 semester hours in one natural science or computer science.