

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 1101	Learning in Global Context I	1
Life/Physical sciences (https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life)		4
Semester Credit Hours		14
Semester 2		
ENGL 1302	Rhetoric and Composition	3
HIST 1302	American History since 1877	3
MATH 2413	Calculus I ¹	4
UNIV 1102	Learning in Global Context II	1
Life/Physical sciences (same) (https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life) ²		4
Kinesiology		1
Semester Credit Hours		16
Sophomore Year		
Semester 1		
MATH 2414	Calculus II ¹	4
POLS 2301	Government and Politics of US	3
Creative arts (https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#creative)		3
Kinesiology		1
MATH elective ¹		3
Semester Credit Hours		14
Semester 2		
MATH 3415	Calculus III ¹	4
POLS 2302	Government and Politics of TX	3
STAT 1342	Elementary Statistics ¹	3
Communications (https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#communication)		3
Social/Behavioral (https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#social)		3
Semester Credit Hours		16
Junior Year		
Semester 1		
ENGL 2342	Reading in Poetry and Novel	3
MATH 3320	Differential Equations ¹	3
MATH 3325	Intro Mathematical Proofs (WI) ¹	3
Minor		3

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Semester Credit Hours		15
Semester 2		
ENGL 2314 or ENGL 2362	Technical Writing or Read in Short Story and Drama	3
MATH 3370	Discrete Mathematics ¹	3
MATH 4321	Real Variables ¹	3
MATH 4341 or MATH 4373	Linear Alg and Matrix Theory ¹ or Application of Matrix Methods	3
Minor		3
Semester Credit Hours		15
Senior Year		
Semester 1		
Elective, adv. ³		3
MATH/STAT, adv. ¹		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.