

# MATHEMATICS WITH TEACHING CERTIFICATION, B.S.

Course	Title	Semester Credit Hours
<b>Freshman Year</b>		
<b>Semester 1</b>		
COMS 1311	Intro to Oral Communication	3
ENGL 1301	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
MATH 1348	Analytic Geometry <sup>1</sup>	3
UNIV 1101	Learning in Global Context I	1
Kinesiology		1
Semester Credit Hours		14
<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
STAT 1342	Elementary Statistics <sup>1</sup>	3
UNIV 1102	Learning in Global Context II	1
Creative arts ( <a href="https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#creative">https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#creative</a> )		3
Semester Credit Hours		17
<b>Sophomore Year</b>		
<b>Semester 1</b>		
ENGL 2342	Reading in Poetry and Novel	3
MATH 2414	Calculus II <sup>1</sup>	4
MATH 3325	Intro Mathematical Proofs (WI)	3
Life/Physical sciences ( <a href="https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life">https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life</a> )		4
Kinesiology		1
Semester Credit Hours		15
<b>Semester 2</b>		
MATH 3320	Differential Equations <sup>1</sup>	3
MATH 3370	Discrete Mathematics <sup>1</sup>	3
Life/Physical sciences ( <a href="https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life">https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#life</a> ) <sup>2</sup>		4
Social/Behavioral ( <a href="https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#social">https://catalog.tamuk.edu/undergraduate/general-requirements-graduation-baccalaureate-degree/#social</a> )		3
MATH <sup>1</sup>		3
Semester Credit Hours		16
<b>Junior Year</b>		
<b>Semester 1</b>		
EDED 3310	Intro to Instructional Design	3
ENGL 2314 or ENGL 2362	Technical Writing or Read in Short Story and Drama	3

MATH 3360	Modern Geometry <sup>1</sup>	3
MATH 3415	Calculus III <sup>1</sup>	4
POLS 2301	Government and Politics of US	3
Semester Credit Hours		16
<b>Semester 2</b>		
EDED 3302	Develop Behavr of Chl and Adol	3
EDED 3333	Clstrm Mgt and Org in Mid Sch	3
MATH 4321	Real Variables <sup>1</sup>	3
MATH 4340	Modern Algebra <sup>1</sup>	3
POLS 2302	Government and Politics of TX	3
Semester Credit Hours		15
<b>Senior Year</b>		
<b>Semester 1</b>		
EDED 3332	Curr Mats Developmt and Plan	3
EDED 3362	Instr Mthds and Strat Sec Sch	3
MATH 4341 or MATH 4373	Linear Alg and Matrix Theory <sup>1</sup> or Application of Matrix Methods	3
STAT 4303	Statistical Methods <sup>1</sup>	3
STAT 4350	Probability <sup>1</sup>	3
Semester Credit Hours		15
<b>Semester 2</b>		
EDED 4623	Sec Sch Student Teaching	6
EDRG 4314	Develp Correct Rdg for Sec Sch	3
EDSE 4349	Foundations Special Educ (WI)	3
Semester Credit Hours		12
Total Credit Hours Required:		120

<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.

45 semester hours of advanced coursework is required.

NOTE: Apply for admission to the Teacher Education Program after completing 60 hours.