

# Bachelor of Science Mathematics 2023-2024 Transfer Guide

Core Requirements			
(Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010 <sup>1</sup>	CORE 010	Communications Core Selection	3
CORE 010 <sup>1</sup>	CORE 010	Communications Core Selection	3
MATH 2413	CORE 020	Calculus I	4
PHYS 2425	CORE 030	University Physics I	4
CORE 030 <sup>1</sup>	CORE 030	Life and Physical Sciences Core Selection	3
CORE 040 <sup>1</sup>	CORE 040	Language, Philosophy, and Culture Core Selection	3
CORE 050 <sup>1</sup>	CORE 050	Creative Arts Core Selection	3
CORE 060 <sup>1</sup>	CORE 060	American History Core Selection	3
CORE 060 <sup>1</sup>	CORE 060	American History Core Selection	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core Selection	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core Selection	3
CORE 080 <sup>1</sup>	CORE 080	Social and Behavioral Sciences Core Selection	3
MATH 2414	CORE 090	Calculus II	4
MATH 2415	CORE 090	Calculus III	4
<b>Subtotal</b>			<b>46</b>

Additional Lower-Level Degree Requirements			
(Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
COSC 1336	Degree Requirement	Programming Fundamentals I	3
MATH 2318	Degree Requirement	Linear Algebra	3
MATH 2320 <sup>2</sup>	Degree Requirement	Differential Equations	3
Any Level Support Field Elective <sup>4</sup>	Degree Requirement	Any Level Support Field Elective	10
<b>Subtotal</b>			<b>19</b>

Upper-Level Degree Requirements		
Texas A&M University - Central Texas		
Texas A&M University - Central Texas	Course Name	SCH
MATH 3350	Principles of Bio-Statistics	3
MATH 3301	Number Theory	3
MATH 3309	Algebraic Function	3
MATH 3315	Mathematics & Technology	3
MATH 3310	Discrete Mathematics	3
MATH 3311	Probability & Statistics I	3
MATH 3332	Linear Algebra	3
MATH 3360	Numerical Analysis I	3
MATH 3370	An Introduction to Linear Programming	3
MATH 4302 <sup>3</sup>	College Geometry	3
MATH 4304	Survey of Mathematical Ideas (and)	3
MATH 4304L	Survey of Mathematical Ideas Lab	1
MATH 4309	Advanced Analysis I	3
MATH 4332	Abstract Algebra	3
Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	3
Upper-Level Support Field Elective	Upper-Level Support Field Elective	12
<b>Subtotal</b>		<b>55</b>
<b>Total</b>		<b>120</b>

## Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at the transferring institution. For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

1. Refer to the General Education Core Requirements page for more information on the CORE Requirement coursework.
2. Students can also fulfill this degree requirement by enrolling in MATH 3306.
3. PHYS 2426 University Physics II is recommended. MATH 4302 may be taken in the summer.
4. Courses for the support field should be chosen from an academic area in which mathematics is applicable and must be selected in consultation with the program coordinator or department chair.

