



Bachelor of Science Mathematics 2022-2023 Transfer Guide

Core Requirement (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010	CORE 010	Communications Core Selection	3
CORE 010	CORE 010	Communications Core Selection	3
MATH 2413 ⁶	CORE 020	Calculus I	4
PHYS 2425 ⁶	CORE 030	University Physics I	4
CORE 030 ⁴	CORE 030	Life and Physical Sciences Core Selection	3
CORE 040	CORE 040	Language, Philosophy, and Culture Core Selection	3
CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 080	CORE 080	Social and Behavioral Sciences Core Selection	3
MATH 2414 ⁶	CORE 090	Calculus II	4
Subtotal			42

Additional Lower-Level Degree Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
COSC 1336 ⁶	COSC 1336	Programming Fundamentals I	3
MATH 2318	MATH 2318	Linear Algebra	3
MATH 2415 ⁶	MATH 2415	Calculus III	4
MATH 2320	MATH 3306	Differential Equations	3
Any Level Support Field Elective ⁵	Any Level Support Field Elective	Any Level Support Field Elective	10
Subtotal			23

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
Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	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 ⁴	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
Upper-Level Support Field Elective ⁵	Upper-Level Support Field Elective	12
MATH 4332	Abstract Algebra	3
Subtotal		55
Total		120

Notes/Comments

This guide is for planning and visualization purposes only. For assistance with pathway planning, students should schedule an appointment with an academic advisor.

1. Texas A&M University - Central Texas is an upper-level university only offering upper-level courses (3000-4000 labeled courses)
2. Student will need to complete all lower-level courses at another institution (1000-2000 labeled courses). Refer to the [General Education Core Requirements page](#) for more information on the CORE Requirements coursework.
3. Any-level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
4. PHYS 2426 University Physics II is recommended. MATH 4302 may be taken in the summer.
5. 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.
6. Lower Level Electives, Any Level Electives, Component Area Options, or Degree Requirements (DEG REQ) may consist of the FOS courses: MATH 2413, MATH 2414, MATH 2415, MATH 2318 or 2418, MATH 2320 or 2420, PHYS 2425 or lecture and lab, choose one from the following: ENGR 2304, COSC 1336 or 1436, COSC 1337 or 1437, COSC 2336 or 2436, COSC 2325 or 2425.