AS – Mathematics to BS – Mathematics 2025-2026 Transfer Pathway

Central Texas College

AS Degree Requirements

CTC	Course Name	SCH	TAMUCT	CTC	Course Name	SCH	TAMUCT
HIST 1301	United States History I	3	*CORE 060*	SPCH 1315 SPCH 1318 or SPCH 1321	Public Speaking Interpersonal Communication or Business & Professional Communication	3	*CORE 010*
GOVT 2306	Texas Government	3	*CORE 070*	CORE 050	Creative Arts Core	3	*CORE 050*
CORE 040	Language/Philosophy/Culture Core	3	*CORE 040*	GOVT 2305	Federal Government	3	*CORE 070*
MATH 1342 or MATH 1414	Elementary Statistical Methods or College Algebra	3	*MATH 1342 or MATH 1414*	CORE 080	Social and Behavioral Sciences Core	3	*CORE 080*
ENGL 1301	Composition I	3	*CORE 010*	MATH 2414	Calculus II	4	*CORE 090*
HIST 1302	United States History II	3	*CORE 060*	MATH 2415	Calculus III	4	*MATH 2415*
PHYS 2425	University Physics I	4	*CORE 030*	MATH 2318	Linear Algebra	3	*MATH 2318*
MATH 2412	Pre-Calculus Math	4	*MATH 2412*	COSC 1336	Programming Fundamentals I	3	*COSC 1336*
MATH 2413	Calculus I	4	*CORE 020*	PHYS 2426	University Physics II	4	*CORE 030*
						Subtotal	**60**

Central Texas College or Texas A&M University – Central Texas

Additional Lower-Level Degree Requirements

Central Texas College	Texas A&M University – Central Texas	Course Name	SCH
Any Level Support Field Elective[1,2,3]	Any Level Support Field Elective	Any Level Support Field Elective	3
MATH 2320[1,4]	MATH 2320	Differential Equations	3
		Subtotal	**6**

Texas A&M University - Central Texas

BS Degree Requirements

TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
MATH 3350	Principles of Bio-Statistics	3	MATH 3370	An Introduction to Linear Programming	3
MATH 3301	Number Theory	3	MATH 4302[5]	College Geometry	3
MATH 3309	Algebraic Function	3	MATH 4304	Survey of Mathematical Ideas (and)	3
MATH 3315	Mathematics & Technology	3	MATH 4304L	Survey of Mathematical Ideas Lab	1
MATH 3310	Discrete Mathematics	3	MATH 4309	Advanced Analysis I	3
MATH 3311	Probability & Statistics I	3	MATH 4332	Abstract Algebra	3
MATH 3332	Linear Algebra	3	UL CS Elective	Upper-Level Computer Science Elective	3
MATH 3360	Numerical Analysis I	3	UL SF Elective	Upper-Level Support Field Elective	12
				Subtotal	**55**
				Total	**121**

Notes/Comments

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at CTC. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an academic advisor or enrollment specialist. *This pathway is intended for planning and visualization purposes and is subject to change.*

1. The **AS** does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at CTC. Please discuss the consortium agreement procedure with a TAMUCT financial aid advisor.
2. Any-level electives may be taken at CTC or TAMUCT. Please consult with an academic advisor prior to selecting any-level electives.
3. 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.
4. Students may also fulfill this degree requirement by successfully completing MATH 3306 at TAMUCT.
5. MATH 4302 may be taken in the summer.