AS – Mathematics to
BS – Mathematics
2023-2024 Transfer Pathway

AS Degree Requirements
Central Texas College

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

Additional Lower-Level Degree Requirements
Central Texas College

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

Upper-Level Degree Requirements
Texas A&M University - Central Texas

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	College Geometry	3
MATH 3309	Algebraic Function	3	MATH 4304	Survey of Mathematical Ideas	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	Computer Science Elective	Upper-Level Computer Science Elective	3
MATH 3360	Numerical Analysis I	3	Support Field Elective	Upper-Level Support Field Elective	12
				Subtotal	**55**
				Total	**121**

Notes/Comments

Texas A&M University - Central Texas (TAMUCT) only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Central Texas College (CTC). A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, students should speak with an academic advisor.

1. The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete these 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 TAMUCT or CTC. Please consult with an academic advisor prior to selecting any-level electives.
3. Students can also fulfill this degree requirement by enrolling in MATH 3306 - Differential Equations at TAMUCT.
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.