



AS – Mathematics to BS – Mathematics 2022-2023 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, 1318 or 1321	CORE 010	Public Speaking, Interpersonal Communication or Business & Professional Communication	3
GOVT 2306	CORE 070	Texas Government	3	CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 040	CORE 040	Language, Philosophy & Culture Core Selection	3	GOVT 2305	CORE 070	Federal Government	3
MATH 1342 or MATH 1414	CORE 090	Mathematics for Business & Social Sciences or College Algebra	3	CORE 080	CORE 080	Social and Behavioral Science Core Selection	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	Pre-Calculus Math	4	COSC 1336	COSC 1336	Programming Fundamentals I	3
MATH 2413	CORE 020	Calculus I	4	CORE 030	CORE 030	Life and Physical Science Core Selection	4
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Central Texas College or Texas A&M University – Central Texas			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
MATH 2320 ^{1,3}	Degree Requirement	Differential Equations	3
Any Level Support Field Elective ^{1,2}	Degree Requirement	Any Level Support Field Elective	3
Subtotal			6

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	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 ⁴	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	Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	3
MATH 3360	Numerical Analysis I	3	Upper-Level Support Field Elective	Upper-Level Support Field Elective	12
Subtotal					55
Total					121

Notes/Comments	
Texas A&M-Central Texas is an upper-level institution offering 3xxx-5xxx level courses. All 1xxx-2xxx level courses must be completed at a different institution. For help with pathway planning, student should speak with an academic advisor . This guide is intended for planning and visualization purposes only.	
1.	Not all Degree Requirement courses are completed with the AS. Student will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
2.	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.
3.	Students can also fulfill this degree requirement by enrolling in MATH 3306.
4.	PHYS 2426 University Physics II is recommended. MATH 4302 may be taken in the summer.