



AS – Mathematics to BS – Mathematics – Secondary Education Minor 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	ENGL 1302	CORE 010	Composition II	3
GOVT 2306	CORE 070	Texas Government	3	CORE 050	CORE 050	Creative Arts Core	3
CORE 040 ¹	CORE 040	English Literature	3	GOVT 2305	CORE 070	Federal Government	3
MATH 1342 or MATH 1414	CORE 090	Elementary Statistical Methods or College Algebra	3	PSYC 2308 or TECA 1354	CORE 080	Child Psychology or Child Growth & Development	3
ENGL 1301	CORE 010	Composition I	3	MATH 2414	MATH 2414	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 2320	MATH 2320	Differential Equations	3
MATH 2412	MATH 2412	Precalculus Math	4	CIS Elective	CORE 090	CIS Elective	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
Subtotal			0

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
MATH 3301	Number Theory	3	MATH 3360	Numerical Analysis I	3
MATH 3309	Algebraic Function	3	MATH 3370	An Introduction to Linear Programming	3
MATH 3315	Mathematics & Technology	3	MATH 4302	College Geometry	3
MATH 4304	Survey of Mathematical Ideas	3	MATH 3332	Linear Algebra	3
MATH 4304L	Survey of Mathematical Ideas Lab	1	READ 3335	Content Area Reading	3
MATH 4309	Advanced Analysis I	3	EDUC 4331	Curriculum & Instruction for Secondary Teachers	3
MATH 3350	Principles of Bio-Statistics	3	EDUC 4332	Classroom Management for Secondary Teachers	3
ENGL 3309	Tech Writing & Document Design	3	EDUC 4317	Assessment & Interpretation for Secondary Teachers	3
MATH 3310	Discrete Mathematics	3	EDUC 4337	Educating Secondary Exceptional Learners	3
MATH 3311	Probability & Statistics I	3	EDUC 4335	Capstone for Educators	3
MATH 4332	Abstract Algebra	3	EDUC 4691	Clinical Teaching	6
Subtotal					67
Total					127

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. Please select an English Literature course from the Language, Philosophy and Culture Core Selection.
2. Please note the following courses require a grade of 'C' or better: 12 credit hours of English, Calculus, approved Educational Psychology course, and 15 credit hours in the certification subject area.