



**AS – Math to
BS – Mathematics
Secondary Education
2022-2023 Transfer Pathway**



AS Degree Requirements							
McLennan Community College							
MCLENNAN	TAMUCT	Course Name	SCH	MCLENNAN	TAMUCT	Course Name	SCH
PSYC 1100	PSYC 1100	Learning Framework	1	MATH 2415	MATH 2415	Calculus III	4
MATH 2413	CORE 020	Calculus I	4	MATH 2318	MATH 2318	Linear Algebra	3
PSYC 2308 or TECA 1354 ³	CORE 080	Child Psychology or Child Growth & Development	3	GOVT 2305	CORE 070	Federal Government	3
ENGL 1301	CORE 010	Composition I	3	PHYS 2426	CORE 030	University Physics II	4
HIST 1301	CORE 060	United States History I	3	MATH 1342 or MATH 2305	CORE 090	Elementary Statistical Methods or Discrete Mathematics	3
MATH 2414	MATH 2414	Calculus II	4	MATH 2320	MATH 2320	Differential Equations	3
PHYS 2425	CORE 030	University Physics I	4	GOVT 2306	CORE 070	Texas Government	3
COSC 1336	COSC 1336	Programming Fundamentals I	3	CORE 040	CORE 040 ²	Language, Philosophy, & Culture Core Selection	3
Speech Elective	CORE 090	Speech Elective	3	CORE 050	CORE 050	Creative Arts Core Selection	3
HIST 1302	CORE 060	United States History II	3				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
McLennan Community College or Texas A&M University – Central Texas			
McLennan Community College	Texas A&M University - Central Texas	Course Name	SCH
ENGL 1302 ¹	CORE 010	Composition II	3
Subtotal			3

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 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	READ 3335	Content Area Reading	3
MATH 4304L	Survey of Mathematical Ideas Lab	1	EDUC 4331	Curriculum & Instruction for Secondary Teachers	3
MATH 4309	Advanced Analysis I	3	EDUC 4332	Classroom Management for Secondary Teachers	3
MATH 3350	Principles of Bio-Statistics	3	EDUC 4317	Assessment & Interpretation for Secondary Teachers	3
ENGL 3309	Tech Writing & Document Design	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					61
Total					124

Notes/Comments

The following Pathway Plan is suggested for full-time students. Part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

1. Not all bachelor's 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. An English Literature course is required for the BS Degree but not the AS Degree.
3. Please see your TAMUCT advisor for information on Upper-Level course offerings.
4. 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.