



**AS – Math to  
BS – Mathematics  
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
CORE 080	CORE 080	Social/Behavioral Science Core Selection	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	CORE 090	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	Language, Philosophy, & Culture Core Selection	3
Elective	CORE 010	Speech Elective	3	CORE 050	CORE 050	Creative Arts Core Selection	3
HIST 1302	CORE 060	United States History II	3				
<b>Subtotal</b>							<b>60</b>

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
Any Level Support Field Elective <sup>1,2,4</sup>	Any Level Support Field Elective	Any Level Support Field Elective	5
<b>Subtotal</b>			<b>5</b>

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 3360	Numerical Analysis I	3
MATH 3301	Number Theory	3	MATH 3370	An Introduction to Linear Programming	3
MATH 3309	Algebraic Function	3	MATH 4302 <sup>3</sup>	College Geometry	3
MATH 3315	Mathematics & Technology	3	MATH 4304	Survey of Mathematical Ideas (and)	3
Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	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	Upper-Level Support Field Elective <sup>4</sup>	Upper-Level Support Field Elective	12
MATH 3332	Linear Algebra	3	MATH 4332	Abstract Algebra	3
<b>Subtotal</b>					<b>55</b>
<b>Total</b>					<b>120</b>

**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. Any-level electives may be taken at either Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
3. PHYS 2426 University Physics II is recommended. MATH 4302 may be taken in the summer.
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.