



**2021 - 2022 Transfer Pathway**  
**Associate of Science - Mathematics**  
 to  
**Bachelor of Science - Mathematics**



**TEXAS A&M**  
**UNIVERSITY**  
 CENTRAL TEXAS.

**AS Degree Requirements**

(Taken at Central Texas College)

CTC	TAMUCT	Name	SCH
ENGL 1301 (010)	ENGL 1301 (010)	Composition I (010)	3
SPCH 1315, 1318, or 1321 (010)	SPCH 1315, 1318, or 1321 (010)	Speech Selection (010)	3
MATH 1414 (020)	MATH 1414 (020)	College Algebra (020)	4
PHYS 2425 (030)	PHYS 2425 (030)	University Physics I (030)	4
CORE REQ (030)	CORE REQ (030)	Life and Physical Science Selection (030)	4
CORE REQ (040)	CORE REQ (040)	Language, Philosophy, and Culture Selection (040)	3
CORE REQ (050)	CORE REQ (050)	Creative Arts Selection (050)	3
HIST 1301 (060)	HIST 1301 (060)	U.S. History I (060)	3
HIST 1302 (060)	HIST 1302 (060)	U.S. History II (060)	3
GOVT 2305 (070)	GOVT 2305 (070)	Federal Government (070)	3
GOVT 2306 (070)	GOVT 2306 (070)	Texas Government (070)	3
CORE REQ (080)	CORE REQ (080)	Social and Behavioral Science Selection (080)	3
MATH 2412 (090)	MATH 2412 (090)	Pre-Calculus Math (090)	4
MATH 2413	MATH 2413	Calculus I	4
MATH 2414	MATH 2414	Calculus II	4
MATH 2415	MATH 2415	Calculus III	4
MATH 2318	MATH 2318	Linear Algebra	3
MATH 2320	MATH 2320	Differential Equations	3

**Subtotal 61**

**Additional Lower-Level Degree Requirements**

(Taken at Central Texas College)

CTC	TAMUCT	Name	SCH
COSC 1315	COSC 1315	Introduction to Computer Programming	3
COSC 1336	COSC 1336	Programming Fundamentals	3

**Subtotal 6**

**Upper-Level Degree Requirements**

(Taken at Texas A&M University - Central Texas)

CTC	TAMUCT	Name	SCH
	MATH 3350	Principles of Bio-Statistics	3
	MATH 3301	Number Theory	3
	MATH 3309	Algebraic Function	3
	MATH 3315	Mathematics & Technology	3
	MATH 3310	Discrete Mathematics	3
	MATH 3311	Probability & Statistics I	3
	MATH 3332	Linear Algebra	3
	MATH 3360	Numerical Analysis I	3
	MATH 3370	An Introduction to Linear Programming	3
	MATH 4302	College Geometry	3
	MATH 4304	Survey of Mathematical Ideas	3
	MATH 4304L	Survey of Mathematical Ideas Lab	1
	MATH 4309	Advanced Analysis I	3
	MATH 4332	Abstract Algebra	3
	Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	3
	Upper-Level Support Field Elective	Upper-Level Support Field Elective	12

**Subtotal 55**

**Total: 122**

**Notes**

-This guide is for planning and visualization purposes only. Please contact your academic advisor to establish a course schedule.