AS – Mathematics to
BS – Mathematics
2022-2023 Transfer Pathway

AS Degree Requirements
Austin Community College

ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
HUMA 1301 or EDUC 1300[1]	CORE 090	Humanities: Prehistory to Renaissance or Learning Framework: Effective Strategies for College Success	3	MATH 2415	MATH 2415	Calculus III	4
MATH 2413	CORE 020	Calculus I	4	PHYS 2426	CORE 030	Engineering Physics II	4
ENGL 1301	CORE 010	English Composition I	3	GOVT 2305	CORE 070	United States Government	3
HIST 1301	CORE 060	United States History I	3	PHIL 2306	CORE 040	Ethics	3
ARTS 1301	CORE 050	Art Appreciation	3	MATH 2420	MATH 2420	Differential Equations	4
MATH 2414	CORE 090	Calculus II	4	GOVT 2306	CORE 070	Texas State and Local Government	3
PHYS 2425	CORE 030	Engineering Physics I	4	MATH 2318[2]	MATH 2318	Linear Algebra	3
ENGL 1302	CORE 010	English Composition II	3	ECON 2302	CORE 080	Principles of Microeconomics	3
HIST 1302	CORE 060	United States History II	3	COSC 1336	COSC 1336	Programming Fundamentals I	3
						Subtotal	**60**

Additional Lower-Level or Upper-Level Degree Requirements
Austin Community College or Texas A&M University – Central Texas

Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
Any Level Support Elective[3,4]	Any Level Support Elective	Any Level Support Elective	9
		Subtotal	**9**

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 Introducing to Linear Programming	3
MATH 3309	Algebraic Function	3	MATH 4302	College Geometry	3
MATH 3315	Mathematics & Technology	3	MATH 4304	Survey of Mathematics Ideas (and)	3
Upper-Level Computer Science Elective	Upper-Level Computer Science Elective	3	MATH 4304L	Survey of Mathematics 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 Support Field Elective[4]	Upper-Level Support Field Elective	12
				Subtotal	**55**
				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. All first time Austin Community College (ACC) students with fewer than 12 SCH of successful college credit must take the HUMA 1301 topic Great Questions Seminar or EDUC 1300 course in their first semester at ACC. All other students may select either HUMA 1301 topic Great Questions Seminar, EDUC 1300, or a speech course from the Component Area Option section of the Core Curriculum Course List. See an advisor or a full-time faculty member in Mathematics for more information.
2. Austin Community College (ACC) lists SPCH-1311, Introduction to Speech Communication but also allows students to select a different course from the Component Area Option section of the Core Curriculum Course List. MATH 2318, Linear Algebra is required for the BS Degree but not the AS Degree.
3. 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.
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.