



AS – Mathematics to  
BS – Mathematics  
2024-2025 Transfer Pathway



Alamo College District AS Degree Requirements							
Alamo	Course Name	SCH	TAMUCT	Alamo	Course Name	SCH	TAMUCT
EDUC 1300	Learning Framework	3	EDUC 1300	MATH 2414	Calculus II	4	MATH 2414
ENGL 1301	Composition I	3	CORE 010	PHYS 2425	University Physics I	4	CORE 030
MATH 1414 or MATH 1314	College Algebra (Precal Track) or College Algebra	3-4	MATH 1414 or MATH 1314	GOVT 2305	Federal Government	3	CORE 070
CORE 050	Creative Arts Core	3	CORE 050	CORE 040	Language, Philosophy & Culture Core	3	CORE 040
ENGL 1302 or ENGL 2311	Composition II or Technical Writing	3	CORE 010	MATH 2415	Calculus III	4	MATH 2415
MATH 2412	Precalculus	4	MATH 2412	MATH 2320	Differential Equations	3	MATH 2320
COSC 1336	Programming Fundamentals I	3	COSC 1336	GOVT 2306	Texas Government	3	CORE 070
CORE 060	American History Core	3	CORE 060	PHYS 2426	University Physics II	4	CORE 030
MATH 2413	Calculus I	4	CORE 020	MATH 2318	Linear Algebra	3	MATH 2318
CORE 060	American History Core	3	CORE 060	CORE 080	Social and Behavioral Sciences Core	3	CORE 080
						<b>Subtotal</b>	<b>66-67</b>

Alamo College District or Texas A&M University – Central Texas Additional Lower-Level or Upper-Level Degree Requirements			
Alamo	TAMUCT	Course Name	SCH
Any Level Support Field Elective <sup>1,2</sup>	Any Level Support Field Elective	Any Level Support Field Elective	3
			<b>Subtotal</b> 3

Texas A&M University - Central Texas BS Degree Requirements					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
MATH 3350	Principles of Bio-Statistics	3	MATH 3370	An Introduction to Linear Programming	3
MATH 3301	Number Theory	3	MATH 4302 <sup>3</sup>	College Geometry	3
MATH 3309	Algebraic Function	3	MATH 4304	Survey of Mathematical Ideas (and)	3
MATH 3315	Mathematics & Technology	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	MATH 4332	Abstract Algebra	3
MATH 3332	Linear Algebra	3	UL CS Elective	Upper-Level Computer Science Elective	3
MATH 3360	Numerical Analysis I	3	UL Support Field Elective	Upper-Level Support Field Elective	12
					<b>Subtotal</b> 55
					<b>Total</b> 124-125

Notes/Comments
<p>TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at Alamo. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an <a href="#">academic advisor</a> or <a href="#">enrollment specialist</a>. This pathway is intended for planning and visualization purposes and is subject to change.</p> <ol style="list-style-type: none"> <li>The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at Alamo. Please discuss the consortium agreement procedure with a TAMUCT <a href="#">financial aid advisor</a>.</li> <li>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.</li> <li>MATH 4302 may be taken in the summer.</li> </ol>