



# AS – Computer Science to BS – Computer Science 2024-2025 Transfer Pathway



AS Degree Requirements							
BLINN College							
BLINN	TAMUCT	Course Name	SCH	BLINN	TAMUCT	Course Name	SCH
COSC 1436	CORE 090	Programming Fundamentals I	4	MATH 2305	MATH 2305	Discrete Mathematics	3
MATH 2413	CORE 020	Calculus I	4	PHYS 2325	CORE 030	University Physics I (Lecture)	3
ENGL 1301	CORE 010	English Composition I	3	PHYS 2125	CORE 030	University Physics I (Lab)	1
SPCH 1315	SPCH 1315	Public Speaking	3	CORE 060	CORE 060	American History Core	3
PHED 1164	PHED 1164	Introduction to Physical Fitness and Wellness	1	COSC 2425	COSC 2425	Computer Organization	4
COSC 1437	CORE 090	Programming Fundamentals II	4	PHYS 2326	CORE 030	University Physics II (Lecture)	3
MATH 2414	MATH 2414	Calculus II	4	PHYS 2126	CORE 030	University Physics II (Lab)	1
ENGL 1302	CORE 010	English Composition II	3	PHIL 2306	CORE 040	Introduction to Ethics	3
CORE 060	CORE 060	American History Core	3	CORE 080	CORE 080	Social and Behavioral Sciences Core	3
COSC 2436	COSC 2436	Programming Fundamentals III	4	CORE 050	CORE 050	Creative Arts Core	3
<b>Subtotal</b>							<b>60</b>

Additional Lower-Level or Upper-Level Degree Requirements			
BLINN College or Texas A&M University – Central Texas			
BLINN College	Texas A&M University - Central Texas	Course Name	SCH
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core	3
MATH 1342 <sup>1,2</sup>	MATH 1342	Elementary Statistical Methods	3
<b>Subtotal</b>			<b>9</b>

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3360	Ethics in Computing	3	COSC 3343	Computer Architecture	3
CIS 3330	C++ Programming	3	COSC 4379	Software Engineering for E-Business	3
CIS 3332	Java Programming				
CIS 3340	Advanced C++ Programming				
CIS 3342 or CIS 3343	Advanced Java Programming or C# Programming for Windows and the Web				
MATH 3360 or MATH 3332	Numerical Analysis I or Linear Algebra	3	COSC 3351	Data Structures	3
COSC 4341	Information Technology Security and Risk Management	3	COSC 4340	Analysis of Algorithms	3
COSC 3380	Operating Systems	3	COSC 4378	Computer Networks	3
COSC 4301	Database Theory and Practices	3	COSC 4090	Computer Science Capstone Assessment	0
CIS 3347	Data Communications and Infrastructure	3	Upper-Level Elective <sup>3</sup>	Upper-Level Elective - Faculty Approved	21
<b>Subtotal</b>					<b>57</b>
<b>Total</b>					<b>126</b>

### Notes/Comments

TAMUCT offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at BLINN. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree.

For help with pathway planning, please speak with an [academic advisor](#) or [enrollment specialist](#). *This pathway is intended for planning and visualization purposes and is subject to change.*

1. The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete these remaining lower-level courses at BLINN. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Students may also fulfill this degree requirement by completing MATH 3300 at TAMUCT.
3. Upper-Level Faculty Approved Elective includes any CIS/COSC 3000 and 4000 level courses EXCEPT the following: CIS 3300, 3301, 3302, 3303, and all CS core courses