



AS – Computer Science to BS – Computer Science 2023-2024 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
Subtotal							60

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 ¹	CORE 070	Government/Political Science Core	3
CORE 070 ¹	CORE 070	Government/Political Science Core	3
MATH 1342 ^{1,2}	MATH 1342	Elementary Statistical Methods	3
Subtotal			9

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, CIS 3332, CIS 3340, CIS 3342 or CIS 3343	C++ Programming, Java Programming, Advanced C++ Programming, Advanced Java Programming or C# Programming for Windows and the Web	3	COSC 4379	Software Engineering for E-Business	3
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	Upper-Level Elective - Faculty Approved	21
Subtotal					57
Total					126

Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Blinn College.
 For help with pathway planning, students should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

- Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at Blinn College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- Students may also fulfill this degree requirement by enrolling in MATH 3300 at TAMUCT.