



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



AS Degree Requirements							
Temple College							
TC	TAMUCT	Course Name	SCH	TC	TAMUCT	Course Name	SCH
MATH 2413	CORE 020	Calculus I	4	PHYS 2425	CORE 030	University Physics I	4
ENGL 1301	CORE 010	Composition I	3	GOVT 2305	CORE 070	Federal Government	3
ENGL 1302	CORE 010	Composition II	3	COSC 2436	COSC 2436	Programming Fundamentals III	4
CORE 050	CORE 050	Creative Arts Core	3	MATH 1442	MATH 1442	Elementary Statistical Methods	4
MATH 2414	MATH 2414	Calculus II	4	PHYS 2426	CORE 030	University Physics II	4
COSC 1436	CORE 090	Programming Fundamentals I	4	GOVT 2306	CORE 070	Texas Government	3
COSC 1437	CORE 090	Programming Fundamentals II	4	CORE 040	CORE 040	Language, Philosophy, Culture Core	3
CORE 080	CORE 080	Social/Behavioral Science Core	3	HIST 1302	CORE 060	United States History II	3
HIST 1301	CORE 060	United States History I	3	Elective	Elective	Elective	1
Subtotal							60

Additional Lower-Level Degree Requirements			
Temple College or Texas A&M – Central Texas			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
MATH 2305 ^{1,2}	MATH 2305	Discrete Mathematics	3
Subtotal			3

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
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	Advanced Java Programming or				
CIS 3343	C# Programming for Windows and the Web				
MATH 3360 or	Numerical Analysis I or	3	COSC 3351	Data Structures	3
MATH 3332	Linear Algebra				
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	Upper-Level Elective ³	Upper-Level Faculty Approved Elective	21
CIS 3347	Data Communications and Infrastructure	3	COSC 4090	Computer Science Capstone Assessment	0
Subtotal					57
Total					120

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 TC. 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, students should speak with an academic advisor or enrollment specialist. <i>This pathway is intended for planning and visualization purposes and is subject to change.</i> - The AS does not meet all the course requirements for the bachelor's degree. Students will need to complete the remaining lower-level courses at Temple College. It is recommended to seek guidance from a financial aid advisor regarding the consortium agreement process. - Students may also fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT. - 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.	