AS – Computer Science to BS – Computer Science 2023-2024 Transfer Pathway

AS Degree Requirements							
Central Texas College							
CTC	**TAMUCT**	**Course Name**	**SCH**	**CTC**	**TAMUCT**	**Course Name**	**SCH**
COSC 1301	COSC 1301	Introduction to Computing	3	COSC 1337	CORE 090	Programming Fundamentals II	3
COSC 1315	COSC 1315	Introduction to Computer Programming	3	COSC 2325	COSC 2325	Computer Organization	3
ENGL 1301	CORE 010	Composition I	3	CORE 050	CORE 050	Creative Arts Core	3
MATH 2413	CORE 020	Calculus I	4	GOVT 2305	CORE 070	Federal Government	3
HIST 1301	CORE 060	United States History I	3	CORE 080	CORE 080	Social and Behavioral Sciences Core	3
COSC 1336	CORE 090	Programming Fundamentals I	3	COSC 2336	COSC 2336	Programming Fundamentals III	3
SPCH 1318 or SPCH 1321	CORE 010	Interpersonal Communication or Business and Professional Communication	3	GOVT 2306	CORE 070	Texas Government	3
PHYS 2425	CORE 030	University Physics I	4	PHYS 2426	CORE 030	University Physics II	4
CORE 040	CORE 040	Language, Philosophy and Culture Core	3	MATH 2414	CORE 090	Calculus II	4
HIST 1302	CORE 060	United States History II	3				
						Subtotal	**61**

Additional Lower-Level Degree Requirements			
Central Texas College			
Central Texas College	**Texas A&M University - Central Texas**	**Course Name**	**SCH**
MATH 1342[1,2]	MATH 1342	Elementary Statistical Methods	3
MATH 2305[1,3]	MATH 2305	Discrete Mathematics	3
		Subtotal	**6**

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 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	Elective	Upper-Level Faculty Approved Elective	21	
				Subtotal	**57**	
				Total	**124**	

Notes/Comments

Texas A&M University - Central Texas (TAMUCT) only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Central Texas College (CTC). 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**.

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 CTC. Please discuss the consortium agreement procedure with a TAMUCT **financial aid advisor**.
2. Students may fulfill this degree requirement by enrolling in MATH 3300 at TAMUCT.
3. Students may fulfill this degree requirement by enrolling in MATH 3310 at TAMUCT.