AS – Computer Information Systems to
BS – Computer Information Systems
Software Engineering and Database Design Concentration
2023-2024 Transfer Pathway

AS Degree Requirements							
Austin Community College							
ACC	**TAMUCT**	**Course Name**	**SCH**	**ACC**	**TAMUCT**	**Course Name**	**SCH**
HUMA 1301 EDUC 1300 or SPCH 1321	HUMA 1301 EDUC 1300 or SPCH 1321	Humanities: Prehistory to Renaissance or Learning Framework: Effective Strategies for College Success or Business and Professional Communication	3	ACCT 2301	CORE 090	Principles of Accounting I - Financial	3
MATH 1324 or MATH 1325	CORE 020	Mathematics for Business and Economics or Business Calculus	3	ECON 2301	ECON 2301	Principles of Macroeconomics	3
ENGL 1301	CORE 010	English Composition I	3	CORE 030	CORE 030	Life and Physical Sciences Core	3
BCIS 1305	BCIS 1305	Business Computer Applications	3	CORE 050	CORE 050	Creative Arts Core	3
HIST 1301	CORE 060	United States History I	3	BCIS 2390	BCIS 2390	System Analysis and Design: Project Management	3
COSC 1336	COSC 1336	Programming Fundamentals I	3	ACCT 2302	CORE 090	Principles of Accounting II - Managerial	3
ENGL 1302	ENGL 1302	English Composition II	3	GOVT 2306	CORE 070	Texas State and Local Government	3
HIST 1302	CORE 060	United States History II	3	ECON 2302	CORE 080	Principles of Microeconomics	3
GOVT 2305	CORE 070	United States Government	3	CORE 030	CORE 030	Life and Physical Sciences Core	3
CORE 040	CORE 040	Language, Philosophy, and Culture Core	3	PHIL 1301	PHIL 1301	Introduction to Philosophy	3
						Subtotal	**60**

Additional Lower-Level Degree Requirements			
Austin Community College			
Austin Community College	**Texas A&M University - Central Texas**	**Course Name**	**SCH**
SPCH 1311, SPCH 1315 or SPCH 1321[1,2]	CORE 010	Introduction to Speech Communication, Public Speaking or Business and Professional Communication	3
BUSI 2305[1,3]	BUSI 2305	Business Statistics	3
COSC 1315[1,4]	COSC 1315	Fundamentals of Programming	3
Any Level CIS Level[1]	Any Level CIS Level	Any Level CIS Level	3
		Subtotal	**12**

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	**Course Name**	**SCH**	**TAMUCT**	**Course Name**	**SCH**
CIS 3315	Web Site Development and Design	3	CIS 4301	Database Theory and Practices	3
CIS 3340 CIS 3341 CIS 3342 or CIS 3343	Advanced C++ Programming Advanced Visual Basic Programming Advanced Java Programming or C# Programming for Windows and the Web	3	CIS 3351	Data Structures	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4360	Strategic Information Systems	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4340	Algorithm Design and Analysis	3
CIS 3360	Ethics in Computing	3	CIS 4352	Structured Query Language	3
CIS 4350	Management Information Systems	3	CIS 4379	Software Engineering for E-Business	3
CIS 4351	IS Project Management	3	CIS 4090	Computer Information Systems Capstone Assessment	0
CIS 3365	System Analysis and Design	3	CIS or COSC Electives	Upper-Level CIS or COSC Electives	6
				Subtotal	**48**
				Total	**120**

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 Austin Community College. For help with pathway planning, students should speak with an academic advisor. *This pathway is intended for planning and visualization purposes only.*

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 Austin Community College. Please discuss the consortium agreement procedure with a TAMUCT **financial aid advisor**.
2. Please take SPCH 1311, SPCH 1315, or SPCH 1321 to fulfill the requirements for the undergraduate degree if SPCH 1321 was not taken at the associate level. Students may have to take an additional elective if SPCH 1321 was taken. If you have taken SPCH 1321, please speak with an **academic advisor.**
3. Students may fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.
4. Students may fulfill this degree requirement by enrolling in CIS 3303 at TAMUCT.