



AS – Computer Science 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 or EDUC 1300	HUMA 1301 or EDUC 1300	Humanities: Prehistory to Renaissance or Learning Framework: Effective Strategies for College Success	3	GOVT 2305	CORE 070	United States Government	3
COSC 1336	COSC 1336	Programming Fundamentals I	3	COSC 2436	COSC 2436	Programming Fundamentals III: Data Structures	4
ENGL 1301	CORE 010	English Composition I	3	CORE 030	CORE 030	Life and Physical Sciences Core	3
MATH 2413	CORE 020	Calculus I	4	Literature	Literature	Literature	3
HIST 1301	CORE 060	United States History I	3	GOVT 2306	CORE 070	Texas State and Local Government	3
MATH 2414	CORE 090	Calculus II	4	COSC 2325	COSC 2325	Computer Organization and Machine Language	3
ENGL 1302	CORE 090	English Composition II	3	CORE 030	CORE 030	Life and Physical Sciences Core	3
PHIL 1301	CORE 040	Introduction to Philosophy	3	ECON 2302	CORE 080	Principles of Microeconomics	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core	3
COSC 1337	COSC 1337	Programming Fundamentals II	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	CORE 010	Introduction to Speech Communication, Public Speaking or Business & Professional Communication	3
BCIS 1305 or COSC 1301 ^{1,2}	BCIS 1305 or COSC 1301	Business Computer Applications or Introduction to Computing	3
BUSI 2305 ^{1,3}	BUSI 2305	Business Statistics	3
COSC 1315 ^{1,4}	COSC 1315	Fundamentals of Programming	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	Advanced C++ Programming	3	CIS 3351	Data Structures	3
CIS 3341	Advanced Visual Basic Programming				
CIS 3342 or CIS 3343	Advanced Java Programming or C# Programming for Windows and the Web				
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 or COSC Electives	Upper-Level CIS or COSC Electives	6
CIS 3365	System Analysis and Design	3	CIS 4090	Computer Information Systems Capstone Assessment	0
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. Students may fulfill this degree requirement by enrolling in CIS 3300 at TAMUCT.
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.