



**AS – Computer Science to
BS – Computer Information Systems
Cybersecurity Concentration
2024-2025 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	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 or Texas A&M University - Central Texas			
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 4341	Information Technology Security and Risk Management	3	CIS 4345	Network and Systems Security	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4346	Applied Security	3
CIS 3361	Introduction to Computer Forensics	3	CIS 4360	Strategic Information Systems	3
CIS 4342	Computer Security Principles and Practices	3	CIS 4351	IS Project Management	3
CIS 3360	Ethics in Computing	3	CIS 4348	Security Trends and Malware Analysis	3
CIS 4350	Management Information Systems	3	CIS 4090	Computer Information Systems Capstone Assessment	0
CIS 3365	System Analysis and Design	3	CIS or COSC Elective	Upper-Level CIS or COSC Elective	6
Subtotal					48
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 ACC. 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, please speak with an academic advisor or enrollment specialist . This pathway is intended for planning and visualization purposes and is subject to change.	
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.	