



**AS – Computer Science to  
BS – Computer Information Systems – Cybersecurity Concentration  
2025-2026 Transfer Pathway**



**Austin Community College (ACC)**

**AS Degree Requirements**

ACC	Course Name	SCH	TAMUCT	ACC	Course Name	SCH	TAMUCT
HUMA 1301 or EDUC 1300	Humanities: Prehistory to Renaissance or Humanities: Prehistory to Renaissance	3	HUMA 1301 or EDUC 1300	GOVT 2305	United States Government	3	CORE 070
COSC 1336	Programming Fundamentals I	3	COSC 1336	COSC 2436	Programming Fundamentals III: Data Structures	4	CORE 090
ENGL 1301	English Composition I	3	CORE 010	CORE 030	Life and Physical Sciences	3	CORE 030
MATH 2413	Calculus I	4	CORE 020	Literature	Literature	3	Literature
HIST 1301	United States History I	3	CORE 060	GOVT 2306	Texas State and Local Government	3	CORE 070
MATH 2414	Calculus II	4	MATH 2414	COSC 2325	Computer Organization and Machine Language	3	CORE 090
ENGL 1302	English Composition II	3	ENGL 1302	CORE 030	Life and Physical Sciences	3	CORE 030
PHIL 1301	Introduction to Philosophy	3	CORE 040	ECON 2302	Principles of Microeconomics	3	CORE 080
HIST 1302	United States History II	3	CORE 060	CORE 050	Creative Arts Core	3	CORE 050
COSC 1337	Programming Fundamentals II	3	COSC 1337				
<b>Subtotal</b>						<b>60</b>	

**Austin Community College (ACC) or Texas A&M University–Central Texas (TAMUCT)**

**Additional Lower-Level Degree Requirements**

Austin Community College	Texas A&M University–Central Texas	Course Name	SCH
SPCH 1311 SPCH 1315 or SPCH 1321 <sup>1</sup>	CORE 010	Introduction to Speech Communication Public Speaking or Business & Professional Communication	3
BCIS 1305 or COSC 1301 <sup>1,2</sup>	BCIS 1305 or COSC 1301	Business Computer Applications or Introduction to Computing	3
COSC 1315 <sup>1,3</sup>	COSC 1315	Fundamentals of Programming	3
BUSI 2305 <sup>1,4</sup>	BUSI 2305	Business Statistics	3
<b>Subtotal</b>			<b>12</b>

**Texas A&M University–Central Texas (TAMUCT)**

**BS Degree Requirements**

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	UL CIS Elective or UL COSC Elective	Upper-Level CIS Elective or Upper-Level COSC Elective	6
CIS 3365	System Analysis and Design	3	CIS 4090	Computer Information Systems Capstone Assessment	0
<b>Subtotal</b>					<b>48</b>
<b>Total</b>					<b>120</b>

**Notes/Comments**

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should 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 certain courses required 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 the remaining lower-level courses at ACC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Students may fulfill this degree requirement by successfully completing CIS 3300 at TAMUCT.
3. Students may fulfill this degree requirement by successfully completing CIS 3303 at TAMUCT.
4. Students may fulfill this degree requirement by successfully completing BUSI 3311 at TAMUCT.