



# AS – Computer Science to BS – Computer Information Systems Management and Networking 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				
<b>Subtotal</b>							<b>60</b>

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 <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
BUSI 2305 <sup>1,3</sup>	BUSI 2305	Business Statistics	3
COSC 1315 <sup>1,4</sup>	COSC 1315	Fundamentals of Programming	3
<b>Subtotal</b>			<b>12</b>

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 4376	Network Administration	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4345	Network and Systems Security	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4360	Strategic Information Systems	3
CIS 3305	Operating Systems Theory and Practice	3	CIS 4351	IS Project Management	3
CIS 3360	Ethics in Computing	3	CIS 4335	UNIX Systems Administration	3
CIS 4350	Management Information Systems	3	CIS 4378	Comprehensive Networking	3
CIS 4301	Database Theory and Practices	3	CIS or COSC Elective	Upper-Level CIS or 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <p>Texas A&amp;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 <a href="#">academic advisor</a>. <i>This pathway is intended for planning and visualization purposes only.</i></p> <ol style="list-style-type: none"> <li>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 <a href="#">financial aid advisor</a>.</li> <li>2. Students may fulfill this degree requirement by enrolling in CIS 3300 at TAMUCT.</li> <li>3. Students may fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.</li> <li>4. Students may fulfill this degree requirement by enrolling in CIS 3303 at TAMUCT.</li> </ol> |