AS – Computer Science to
BS – Computer Science
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	CORE 090	Programming Fundamentals I	3	COSC 2436	COSC 2436	Programming Fundamentals III: Data Structures	4
ENGL 1301	CORE 010	English Composition I	3	PHYS 2425	CORE 030	University Physics I	4
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	MATH 2414	Calculus II	4	COSC 2325	COSC 2325	Computer Organization and Machine Language	3
ENGL 1302	CORE 010	English Composition II	3	PHYS 2426	CORE 030	University Physics II	4
PHIL 1301	CORE 040	Introduction to Philosophy	3	CORE 080	CORE 080	Social and Behavioral Sciences Core	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core	3
COSC 1337	CORE 090	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
MATH 1342[1,2]	MATH 1342	Elementary Statistical Methods	3
MATH 2305[1,3]	MATH 2305	Discrete Mathematics	3
		Subtotal	**6**

Upper-Level Degree Requirements

Texas A&M University - Central Texas (TAMUCT)

TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3360	Ethics in Computing	3	COSC 3343	Computer Architecture	3
CIS 3330 CIS 3332 CIS 3340 CIS 3342 or CIS 3343	C++ Programming Java Programming Advanced C++ Programming Advanced Java Programming or C# Programming for Windows and the Web	3	COSC 4379	Software Engineering for E-Business	3
MATH 3360 or MATH 3332	Numerical Analysis I or Linear Algebra	3	COSC 3351	Data Structures	3
COSC 4341	Information Technology Security and Risk Management	3	COSC 4340	Analysis of Algorithms	3
COSC 3380	Operating Systems	3	COSC 4378	Computer Networks	3
COSC 4301	Database Theory and Practices	3	COSC 4090	Computer Science Capstone Assessment	0
CIS 3347	Data Communications and Infrastructure	3	Elective	Upper-Level Faculty Approved Elective	21
				Subtotal	**57**
				Total	**123**

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 MATH 3300 at TAMUCT.
3. Students may fulfill this degree requirement by enrolling MATH 3310 at TAMUCT.