



## AS – Computer Science to BS – Computer Science 2022-2023 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
HUMA 1301 or EDUC 1300 <sup>3</sup>	HUMA 1301 or EDUC 1300 <sup>3</sup>	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	CORE 040	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 090	Introduction to Philosophy	3	CORE 080	CORE 080	Social & Behavioral Science Core Selection	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core Selection	3
COSC 1337	CORE 090	Programming Fundamentals II	3				
<b>Subtotal</b>							<b>62</b>

Additional Lower-Level or Upper-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
MATH 1342 <sup>1</sup>	MATH 1342	Elementary Statistical Methods	3
MATH 2305 <sup>1</sup>	MATH 2305	Discrete Mathematics	3
<b>Subtotal</b>			<b>6</b>

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	Course Name	SCH
CIS 3360	Ethics in Computing	3	Upper-Level Faculty Approved Elective	Upper-Level Faculty Approved Elective	21
CIS 3330, 3332, 3340, 3342, or 3343	C++ Programming, Java Programming, Advanced C++ Programming, Advanced Java Programming, or C# Programming for Windows and the Web	3	COSC 3343	Computer Architecture	3
MATH 3360 or MATH 3332	Numerical Analysis I or Linear Algebra	3	COSC 4379	Software Engineering for E-Business	3
COSC 4341	Information Technology Security and Risk Management	3	COSC 3351	Data Structures	3
COSC 3380	Operating Systems	3	COSC 4340	Analysis of Algorithms	3
COCS 4301	Database Theory and Practices	3	COSC 4378	Computer Networks	3
CIS 3347	Data Communications and Infrastructure	3			
<b>Subtotal</b>					<b>57</b>
<b>Total</b>					<b>125</b>

### Notes/Comments

The following Pathway Plan is suggested for full-time students. A part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

1. Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
2. Any-level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
3. All first-time Austin Community College (ACC) students with fewer than 12 SCH of successful college credit must take the HUMA 1301 topic course Great Questions seminar or the EDUC 1300 course in their first semester at ACC. All other students may choose either HUMA 1301 topic course Great Questions seminar, EDUC 1300, or a speech course from the Component Area Option section of the Core Curriculum Course List.

## Transfer Information

### Transfer of Credit & Student Benefits

**Transfer Central! Your affordable path to a high-quality bachelor's degree.**

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- Personalized degree planning
- University email address
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- Invitations to university events and activities

Click [HERE](#) to join now.

### College of Business Administration

Explore all the opportunities the College of Business Administration at A&M-Central Texas has to offer. Visit us [ONLINE](#) to see what is happening!

**Start planning today. Schedule an appointment with a COBA academic advisor. Click [HERE](#) to find a time that meets your schedule.**

### Program Admission Requirements

Undergraduate Admission Requirements:

- Minimum 2.0 cumulative transfer GPA on a 4.0 scale
- Minimum 30 academic, college-level transferable hours
- Must be eligible to return to all previously attended institutions

Additional program admission standards may apply. Visit degree program pages or speak with an A&M-Central Texas admission counselor for additional information.

**Get Connected.** Meet in-person, virtually, or via the phone with an admissions counselor today. Click [HERE](#) to schedule an appointment convenient for you.

### Graduate Studies

Continue to advance your skills and new career opportunities with a graduate degree from Texas A&M University - Central Texas. Click to learn more about the following graduate degrees:

#### [Master of Business Administration](#)

- Computer Information Systems
- Healthcare Administration
- Human Resource Management
- Management
- Data Analytics micro-credential (pending internal approval)
- Leadership for Sustainability

#### [Master of Science – Accounting](#)

#### [Master of Science – Information Systems](#)

#### [Master of Science – Leadership for Sustainability](#)

Graduate Certificates

#### [Healthcare Administration](#)

#### [Leadership for Sustainability](#)