



**AS – Computer Science to
BS – Computer Information Systems
Data Analytics Concentration
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 ³	HUMA 1301 or EDUC 1300 ³	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 & Physical Science Core Selection	3
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 090	English Composition II	3	CORE 030	CORE 030	Life & Physical Science Core Selection	3
PHIL 1301	CORE 090	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 Selection	3
COSC 1337	COSC 1337	Programming Fundamentals II	3				
Subtotal							60

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
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	BCIS 1305 or COSC 1301	Business Computer Applications or Introduction to Computing	3
COSC 1315 ¹	COSC 1315	Fundamentals of Programming	3
Subtotal			9

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 3315	Web Site Development and Design	3	CIS 3365	System Analysis and Design	3
MGMT 3301	Principles of Management	3	CIS 4302	Web & Social Analytics	3
CIS 3302	Introduction to Business Analytics	3	CIS 3360	Ethics in Computing	3
BUSI 3311	Business Statistics	3	CIS 4360	Strategic Information Systems	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4352	Structured Query Language	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4351	IS Project Management	3
CIS 3306	Data Visualization	3	CIS 4303	Data Mining	3
CIS 4350	Management Information Systems	3	Upper-Level CIS or COSC Elective	Upper-Level CIS or COSC Elective	3
CIS 4301	Database Theory and Practices	3			
Subtotal					51
Total					120

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.
4. Please see your advisor for information on recommended micro-credential course offerings.

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College of Business Administration

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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:

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

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[Master of Science – Information Systems](#)

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Transfer Information

