



**AAS – Computer Information Technology
Computer Programming to
BAAS – Information Technology
Software and Database Design Concentration
2022-2023 Transfer Pathway**



AAS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1100	EDUC 1100	Learning Framework: Effective Strategies for College Success	1	ITSC 1325 ⁷	VOBU	Personal Computer Hardware	3
ENGL 2311	CORE 010	Technical and Business Writing	3	ITSC 1307 ⁷	VOBU	UNIX Operating System I	3
MATH 1342	CORE 020	Elementary Statistics	3	Speech ⁴	CORE 010	Speech	3
COSC 1301	COSC 1301	Introduction to Computing	3	Elective ^{5,6,7}	VOBU	Programming Elective I or II	3
COSC 1336	CORE 090	Programming Fundamentals I	3	Elective ^{5,6,7}	VOBU	Programming Elective I or II	3
ITNW 1325 ⁷	VOBU	Fundamentals of Networking Technologies	3	BCIS 2390	BCIS 2390	System Analysis and Design: Project Management	3
MATH 1324, MATH 1314, or MATH 1414	CORE 090	Mathematics for Business and Economics, College Algebra, or College Algebra for Precalculus	3	ITSC 2264 or Elective ^{6,7}	VOBU	Practicum – CIS, General or Programming Elective II	2
ITSE 2309 ⁷	VOBU	Database Programming: Oracle	3	Elective ^{6,7}	VOBU	Programming Elective II	3
COSC 1337 or ITSE 2321 ⁷	COSC 1337 or VOB	Programming Fundamentals II or Object-Oriented Programming (Java)	3	Elective ^{6,7}	VOBU	Programming Elective II	3
CORE 080	CORE 080	Social & Behavioral Science Core Selection	3	CORE 040	CORE 040	Language, Philosophy, and Culture Core Selection	3
Elective ^{3,7}	VOBU	Computer Elective	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
CORE 030 ¹	CORE 030	Life and Physical Science Core Selection	3
CORE 030 ¹	CORE 030	Life and Physical Science Core Selection	3
CORE 050 ¹	CORE 050	Creative Arts Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 070 ¹	CORE 070	Government/Political Science Core Selection	3
CORE 070 ¹	CORE 070	Government/Political Science Core Selection	3
Subtotal			21

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
BUSI 3311	Business Statistics	3	CIS 4350	Management Information Systems	3
CIS 3347	Data Communications and Infrastructure	3	CIS 3351	Data Structures	3
CIS 3340, CIS 3341, CIS 3342 or CIS 3343	Advanced C++ Programming, Advanced Visual Basic Programming, Advanced Java Programming or C# Programming for Windows and the Web	3	CIS 4360	Strategic Information Systems	3
CIS 3360	Ethics in Computing	3	CIS 4340	Algorithm Design and Analysis	3
CIS 3365	System Analysis and Design	3	CIS 4352	Structured Query Language	3
CIS 4301	Database Theory and Practices	3	CIS 4379	Software Engineering for E-Business	3
CIS 4341	Information Technology Security and Risk Management	3	Upper-Level CIS Elective	Upper-Level CIS Elective	3
Subtotal					42
Total					123

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.

- Not all Degree Requirement courses are completed with the AAS. 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.
- 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.
- Select from ITNW 1337, ITSC 1309, ITSE 1301, ITSW 1304, ITSW 1307, ITSY 1300. Recommend ITSW 1304 for Data Science concentration.
- Select from SPCH 1311, SPCH 1315, SPCH 1318, SPCH 1321.
- Select Programming Elective I from COSC 1337, COSC 1437, GAME 1343, GAME 2341, ITSE 1301, ITSE 1303, ITSE 1311, ITSE 1330, ITSE 1331, ITSE 1333, ITSE 1356, ITSE 1359, ITSE 1391, ITSE 1394, ITSE 2302, ITSE 2305, ITSE 2309, ITSE 2321.
- Select Programming Elective II from COSC 2325, COSC 2436, GAME 2302, GAME 2342, GAME 2347, INEW 2338, ITSC 2337, ITSE 1345, ITSE 1359, ITSE 1372, ITSE 1392, ITSE 1393, ITSE 2302, ITSE 2305, ITSE 2317, ITSE 2331, ITSE 2343, ITSE 2349, ITSE 2356, ITSE 2359.
- For the Occupational/Technical Specialization credits, students must have a minimum of 12 semester credit hours consisting of technical, occupational, and military training and many include academic electives to complete the maximum allowable 36 semester credit hours.
- Please see your advisor for information on recommended micro-credential course offerings.

Transfer Information

Transfer of Credit & Student Benefits

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- Priority class registration
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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 – Leadership for Sustainability](#)

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[Healthcare Administration](#)

[Leadership for Sustainability](#)