



**AAS – Information Systems & Applications to
BAAS – Information Technology
Software and Database Design Concentration
2022-2023 Transfer Pathway**



AAS Degree Requirements							
McLennan Community College							
MCLENNAN	TAMUCT	Course Name	SCH	MCLENNAN	TAMUCT	Course Name	SCH
ARTC 1302 ³	VOBU	Digital Imaging I	3	ENGL 1301 or ENGL 2311	CORE 010	Composition I or Technical & Business Writing	3
BCIS 1305	CORE 090	Business Computer Applications	3	IMED 1316 ³	VOBU	Web Design I	3
COSC 1336	CORE 090	Programming Fundamentals I	3	ITSE 2309 ³	VOBU	Database Programming	3
ITSC 1305 ³	VOBU	Introduction to PC Operating Systems	3	ITCC 1314 CCNA 1 ³ or ITNW 1354 ³	VOBU	Introduction to Networks or Implementing and Support Servers	3
ITSY 1342 ³	VOBU	Information Tech Security	3	ITSC 2325 ³ or ITSY 2359 ³	VOBU	Advanced Linux or Security Assessment & Auditing	3
ITSE 1311 ³ , ITSE 1302 ³ or COSC 1337	VOBU or COSC 1337	Beginning Web Programming, Computer Programming or Programming Fundamentals II	3	Computer Information Systems & Multimedia Elective ³	VOBU	Computer Information Systems & Multimedia Elective	3
ITSW 1307 ³	VOBU	Introduction to Database	3	ITSW 1304 ³	VOBU	Introduction to Spreadsheets	3
ITSC 1316 ³ or ITSY 2342 ³	VOBU	Linux Installation and Configuration or Incident Response and Handling	3	ITSC 1325 ³	VOBU	Personal Computer Hardware	3
CORE 050	CORE 050	Creative Arts Core Selection	3	ITSC 2339 ³ , 2386 ³ , ITSW 2386 ³ or ITSY 2386 ³	VOBU	Personal Computer Help Desk, Internship-Computer & Information Science, Internship-Data Processing/Data Process or Int- Computer & Information Systems Sec.	3
CORE 020	CORE 020	Mathematics Core Selection	3	CORE 080	CORE 080	Social/Behavioral Science Core Selection	3
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
McLennan Community College or Texas A&M University – Central Texas			
McLennan Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 010 ¹	CORE 010	Communication Core Selection	3
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 040 ¹	CORE 040	Language, Philosophy, and Culture 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
BUSI 2305 ^{1,2}	BUSI 2305	Business Statistics	3
Subtotal			27

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 3347	Data Communications and Infrastructure	3	CIS 3351	Data Structures	3
CIS 3340, 3341, 3342 or 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 Practice	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
CIS 4350	Management Information Systems	3			
Subtotal					39
Total					126

Notes/Comments

The following Pathway Plan is suggested for full-time students. 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. Student 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.
- Please see your TAMUCT advisor for information on recommended Upper-Level course offerings.
- 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.

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

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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](#)