



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



AAS Degree Requirements							
Central Texas College							
CTC	TAMUCT	Course Name	SCH	CTC	TAMUCT	Course Name	SCH
COSC 1301	CORE 090	Introduction to Computing	3	ITNW 1337 <sup>2</sup>	VOBU	Introduction to the Internet	3
ITSC 1309 or BCIS 1305 <sup>2</sup>	VOBU	Integrated Software Applications I or Business Computer Applications	3	ITSC 1325 <sup>2</sup>	VOBU	Personal Computer Hardware	3
ITNW 1325 or ITCC 1314 <sup>2</sup>	VOBU	Fundamentals of Networking Technologies or CCNA 1: Introduction to Networks	3	ITSE 1329 <sup>2</sup> or COSC 1315	VOBU	Programming Logic and Design or Introduction to Computer Programming	3
ENGL 1301	CORE 010	Composition I	3	SPCH 1318 or SPCH 1321	CORE 010	Interpersonal Communication or Business & Professional Communication	3
MATH 1414	CORE 020	College Algebra	4	COSC 1336	CORE 090	Programming Fundamentals I	3
CPMT 1345 <sup>2</sup>	VOBU	Computer Systems Maintenance	3	ITSW 1307 <sup>2</sup>	VOBU	Introduction to Database	3
ITSC 1415 <sup>2</sup>	VOBU	Project Management Software	4	IMED 1316 <sup>2</sup>	VOBU	Web Design I	3
ITSY 1342 <sup>2</sup>	VOBU	Information Technology Security	3	CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 040	CORE 040	Language, Philosophy and Culture Core Selection	3	ITSC 2439 or ITSC 2486 <sup>2</sup>	VOBU	Personal Computer Help Desk Support or Internship – Computer and Information Sciences	4
CORE 080	CORE 080	Social and Behavioral Sciences Core Selection	3				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Central Texas College or Texas A&M University – Central Texas			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
CORE 030 <sup>1</sup>	CORE 030	Life and Physical Science Core Selection	3
CORE 030 <sup>1</sup>	CORE 030	Life and Physical Science Core Selection	3
CORE 060 <sup>1</sup>	CORE 060	American History Core Selection	3
CORE 060 <sup>1</sup>	CORE 060	American History Core Selection	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core Selection	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core Selection	3
Subtotal			18

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					120

## 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.
- 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.