



AAS – Information Technology to BAAS – Information Technology Software and Database Design Concentration 2023-2024 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 ¹	VO--	Introduction to the Internet	3
ITSC 1309 ¹ or BCIS 1305	VO-- or BCIS 1305	Integrated Software Applications I or Business Computer Applications	3	ITSC 1325 ¹	VO--	Personal Computer Hardware	3
ITNW 1325 ¹	VO--	Fundamentals of Networking Technologies	3	ITSE 1329 ¹ or COSC 1315	VO-- or COSC 1315	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 and Professional Communication	3
MATH 1414	CORE 020	College Algebra (Calculus Path)	4	COSC 1336	CORE 090	Programming Fundamentals I	3
CPMT 1345 ¹	VO--	Computer Systems Maintenance	3	ITSW 1307 ¹	VO--	Introduction to Database	3
ITSC 1415 ¹	VO--	Project Management Software	4	IMED 1316 ¹	VO--	Web Design I	3
ITSY 1342 ¹	VO--	Information Technology Security	3	CORE 050	CORE 050	Creative Arts	3
CORE 040	CORE 040	Language, Philosophy and Culture Core	3	ITSC 2439 or ITSC 2486 ¹	VO--	Personal Computer Help Desk Support or Internship - Computer and Information Sciences	4
CORE 080	CORE 080	Social and Behavioral Sciences Core	3				
Subtotal							60

Additional Lower-Level Degree Requirements			
Central Texas College			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
CORE 030 ²	CORE 030	Life and Physical Science Core	3
CORE 030 ²	CORE 030	Life and Physical Science Core	3
CORE 060 ²	CORE 060	American History Core	3
CORE 060 ²	CORE 060	American History Core	3
CORE 070 ²	CORE 070	Government/Political Science Core	3
CORE 070 ²	CORE 070	Government/Political Science Core	3
BUSI 2305 ^{2,3}	BUSI 2305	Business Statistics	3
Subtotal			21

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3347	Data Communications and Infrastructure	3	CIS 3351	Data Structures	3
CIS 3340	Advanced C++ Programming	3	CIS 4360	Strategic Information Systems	3
CIS 3341	Advanced Visual Basic Programming				
CIS 3342 or CIS 3343	Advanced Java Programming or C# Programming for Windows and the Web				
CIS 3360	Ethics in Computing	3			
CIS 3365	System Analysis and Design	3	CIS 4340	Algorithm Design and Analysis	3
CIS 4301	Database Theory and Practices	3	CIS 4352	Structured Query Language	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4379	Software Engineering for E-Business	3
CIS 4350	Management Information Systems	3	CIS Elective	Upper-Level CIS Elective	3
			CIS 4090	Computer Information Systems Capstone Assessment	0
Subtotal					39
Total					120

Notes/Comments

- Texas A&M University - Central Texas (TAMUCT) only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Central Texas College (CTC). A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, students should speak with an [academic advisor](#).
- 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.
 - The AAS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete these remaining lower-level courses at CTC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
 - Students may fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.