AAS – Network Systems Administrator 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	ITSY 2401[1]	VO--	Firewalls and Network Security	4
ITNW 1325[1]	VO--	Fundamentals of Networking Technologies	3	ITNW 1313[1]	VO--	Computer Virtualization	3
ITSC 1316[1]	VO--	Linux Installation and Configuration	3	ITSY 1342[1]	VO--	Information Technology Security	3
ENGL 1301	CORE 010	Composition I	3	CORE 050	CORE 050	Creative Arts Core	3
CORE 020	CORE 020	Mathematics Core	4	SPCH 1318 or SPCH 1321	CORE 010	Interpersonal Communication or Business and Professional Communication	3
ITNW 1316[1]	VO--	Network Administration	3	ITSY 2345[1]	VO--	Network Defense and Countermeasures	3
ITSE 1359[1]	VO--	Introduction to Scripting Languages	3	ITNW 1337[1]	VO--	Introduction to the Internet	3
ITNW 1309[1]	VO--	Fundamentals of Cloud Computing	3	ITSW 1307[1]	VO--	Introduction to Database	3
GOVT 2305 or GOVT 2306	CORE 070	Federal Government or Texas Government	3	ITNW 1454 or ITNW 2488[1]	VO--	Implementing and Supporting Servers or Internship-Computer Science Networking And Telecommunications	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 040[2]	CORE 040	Language, Philosophy, and Culture 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
COSC 1320 or COSC 1336[2,3]	CORE 090	C Programming I or Programming Fundamentals I	3
BUSI 2305[2,4]	BUSI 2305	Business Statistics	3
		Subtotal	**24**

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 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	CIS Elective	Upper-Level CIS Elective	3
CIS 4350	Management Information Systems	3	CIS 4090	Computer Information Systems Capstone Assessment	0
				Subtotal	**39**
				Total	**123**

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**.

1. 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.
2. 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**.
3. Students may fulfill this degree requirement by enrolling in CIS 3330, CIS 3331 or CIS 3332 at TAMUCT.
4. Students may fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.