



**AAS – Network and Cloud Architecture (NVC) to
BAAS – Information Technology –
Software and Database Design Concentration
2024-2025 Transfer Pathway**



Alamo College District							
AAS Degree Requirements							
Alamo	Course Name	SCH	TAMUCT	Alamo	Course Name	SCH	TAMUCT
ITCC 1414 ¹	CCNA 1: Introduction to Networks	4	ITCC 1414	ITNW 2475 ¹	Amazon Cloud Computing Architecture (AWS)	4	ITNW 2475
ITCC 1444 ¹	CCNA 2: Switching, Routing, and Wireless Essentials	4	ITCC 1444	CORE 080	Social and Behavioral Sciences Core	3	CORE 080
ENGL 1301	Composition I	3	CORE 010	ITNW 2327 ¹	Advanced Cloud Concepts	3	ITNW 2327
COSC 1336	Programming Fundamentals I	3	CORE 090	CORE 040	Language, Philosophy & Culture Core	3	CORE 040
ITSC 1316 ¹	Linux Installation and Configuration	3	ITSC 1316	ITNW 2264 ¹	Practicum	2	ITNW 2264
CORE 010	Communication Core	3	CORE 090	CORE 060	American History Core	3	CORE 060
CORE 020	Mathematics Core	3	CORE 020	CORE 030	Life and Physical Sciences Core	3	CORE 030
ITCC 2420 ¹	CCNA 3: Enterprise Networking, Security, and Automation	4	ITCC 2420	GOVT 2305	Federal Government	3	CORE 070
ITSC 2325 ¹	Advanced Linux	3	ITSC 2325	CORE 060	American History Core	3	CORE 060
ITSY 1300 ¹	Fundamentals of Information Security	3	ITSY 1300	ENGL 1302	Composition II	3	CORE 010
COSC 1437	Programming Fundamentals II	4	COSC 1437	GOVT 2306	Texas Government	3	CORE 070
ITNW 2473 ¹	Amazon Cloud Foundations (AWS)	4	ITNW 2473	CORE 030	Life and Physical Sciences Core	3	CORE 030
ITNW 2474 ¹	Amazon Cloud Developer (AWS)	4	ITNW 2474	CORE 050	Creative Arts Core	3	CORE 050
						Subtotal	84

Alamo College District or Texas A&M University – Central Texas			
Additional Lower-Level or Upper-Level Degree Requirements			
Alamo	TAMUCT	Course Name	SCH
BUSI 2305 ²	BUSI 2305	Business Statistics	3
			Subtotal 3

Texas A&M University - Central Texas					
BAAS Degree Requirements					
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	Advanced Java Programming or				
CIS 3343	C# Programming for Windows and the Web				
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	UL CIS Elective	Upper-Level CIS Elective	3
CIS 4350	Management Information Systems	3	CIS 4090	Computer Information Systems Capstone Assessment	0
					Subtotal 39
					Total 126

Notes/Comments	
<p>TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at Alamo. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an academic advisor or enrollment specialist. This pathway is intended for planning and visualization purposes and is subject to change.</p> <ol style="list-style-type: none"> 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 the remaining lower-level courses at Alamo. Please discuss the consortium agreement procedure with a TAMUCT financial aid advisor. 	