



**AAS – Cloud System Operations to
BAAS – Information Technology
Software and Database Design Concentration
2024-2025 Transfer Pathway**



Dallas College (DC)							
AAS Degree Requirements							
DC	Course Name	SCH	TAMUCT	DC	Course Name	SCH	TAMUCT
ITNW 1309 ¹	Fundamentals of Cloud Computing	3	ITNW 1309	ITNW 1377 ¹	Introduction to Infrastructure Automation	3	ITNW 1377
ITNW 1378 ¹	Cloud Networking	3	ITNW 1378	ITNW 1373 ¹	Cloud Computing Security	3	ITNW 1373
ITSE 1370 ¹	Introduction to Python Programming	3	ITSE 1370	ITSC 2325 ¹	Advanced Linux	3	ITSC 2325
SPCH 1311 SPCH 1315 or SPCH 1321	Introduction to Speech Communication Public Speaking or Business and Professional Communication	3	CORE 010	ITNW 1313 ¹	Computer Virtualization	3	ITNW 1313
CORE 050	Creative Arts Core	3	CORE 050	CORE 020	Mathematics Core	3	CORE 020
ITSE 1359 ¹	Introduction to Scripting Languages	3	ITSE 1359	ITNW 2327 or ITNW 2364 ¹	Advanced Cloud Concepts or Practicum	3	ITNW 2327 or ITNW 2364
ITSC 1316 ¹	Linux Installation and Configuration	3	ITSC 1316	ITNW 2329 or ITNW 2370 ¹	Application Development for the Cloud or Containerization and Micro Services	3	ITNW 2329 or ITNW 2370
ITSE 1346 ¹	Database Theory and Design	3	ITSE 1346	ITSC 1315 ¹	Project Management Software	3	ITSC 1315
ITNW 1336 ¹	Cloud Deployment and Infrastructure Management	3	ITNW 1336	ITSE 2370 ¹	Intermediate Python Programming	3	ITSE 2370
ENGL 1301	Composition I	3	CORE 010	CORE 080	Social and Behavioral Science Core	3	CORE 080
						Subtotal	60

Dallas College (DC) or Texas A&M University – Central Texas (TAMUCT)			
Additional Lower-Level or Upper-Level Degree Requirements			
DC	TAMUCT	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
CORE 070 ²	CORE 070	Government/Political Science Core	3
COSC 1320 or COSC 1336 ²	CORE 090	C Programming I or Programming Fundamentals I	3
CORE 090 ²	CORE 090	Component Area Option Core	3
BUSI 2305 ²	BUSI 2305	Business Statistics	3
			Subtotal 30

Texas A&M University - Central Texas (TAMUCT)					
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 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	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 129

Notes/Comments	
TAMUCT only offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at Dallas College. 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.	
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 the remaining lower-level courses at DC. Please discuss the consortium agreement procedure with a TAMUCT financial aid advisor .