



**AAS – Cyber Security – Cyber Defense to
BAAS – Information Technology
Data Analytics Concentration
2024-2025 Transfer Pathway**



Dallas College (DC)							
AAS Degree Requirements							
DC	Course Name	SCH	TAMUCT	DC	Course Name	SCH	TAMUCT
ENGL 1301	Composition I	3	CORE 010	CORE 050	Creative Arts Core	3	CORE 050
SPCH 1321	Business and Professional Communication	3	CORE 090	ITSC 1316 ¹	Linux Installation and Configuration	3	ITSC 1316
ITSE 1370 ¹	Introduction to Python Programming	3	ITSE 1370	ITSY 1342 ¹	Information Technology Security	3	ITSY 1342
ITNW 1325 or ITCC 1314 ¹	Fundamentals of Networking Technologies or CCNA 1: Introduction to Networks	3	ITNW 1325 or ITCC 1314	ITSY 2301 ¹	Firewalls and Network Security Design	3	ITSY 2301
ITSC 1305 ¹	Introduction to PC Operating Systems	3	ITSC 1305	ITSY 2342 ¹	Incident Response and Handling	3	ITSY 2342
MATH 1314	College Algebra	3	CORE 020	CORE 080	Social and Behavioral Sciences Core	3	CORE 080
ITNW 1354 ¹	Implementing and Supporting Servers	3	ITNW 1354	ENGL 2311	Technical and Business Writing	3	CORE 010
ITSY 1300 ¹	Fundamentals of Information Security	3	ITSY 1300	ITSY 2341 ¹	Security Management Practices	3	ITSY 2341
ITSY 1375 ¹	Integrated Cybersecurity Concepts	3	ITSY 1375	ITSY 2345 ¹	Network Defense and Countermeasures	3	ITSY 2345
ITDF 1300 ¹	Introduction to Digital Forensics	3	ITDF 1300	ITSY 2372 or ITSY 2386 ¹	Ethical Hacking and System Defense or Internship-Computer and Information Security	3	ITSY 2372 or ITSY 2386
						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
BUSI 2305 ²	BUSI 2305	Business Statistics	3
			Subtotal 27

Texas A&M University - Central Texas (TAMUCT)					
BAAS Degree Requirements					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3302	Introduction to Business Analytics	3	CIS 3365	System Analysis and Design	3
CIS 3306	Data Visualization	3	CIS 4301	Database Theory and Practices	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4352	Structured Query Language	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4303	Data Mining	3
CIS 3360	Ethics in Computing	3	CIS 4360	Strategic Information Systems	3
CIS 4350	Management Information Systems	3	UL CIS Elective	Upper-Level CIS Elective	3
CIS 4302	Web & Social Analytics	3	CIS 4090	Computer Information Systems Capstone Assessment	0
					Subtotal 39
					Total 126

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 .