



**AAS – Cybersecurity –
System Security Administration Emphasis to
BAAS – Information Technology
Software and Database Design Concentration
2023-2024 Transfer Pathway**



AAS Degree Requirements							
Dallas College							
DC	TAMUCT	Course Name	SCH	DC	TAMUCT	Course Name	SCH
ENGL 1301	CORE 010	Composition I	3	CORE 050	CORE 050	Creative Arts Core	3
MATH 1314	CORE 020	College Algebra	3	ITMT 1357 ¹	VO--	Administering a Windows Server Operating System	3
ITCC 1314 ¹	VO--	CCNA 1: Introduction to Networks	3	ITSE 1370 ¹	VO--	Introduction to Python Programming	3
ITSC 1316 ¹	VO--	Linux Installation and Configuration	3	ITSY 2300 ¹	VO--	Operating System Security	3
ITSC 1325 ¹	VO--	Personal Computer Hardware	3	ITSY 2301 ¹	VO--	Firewalls and Network Security Design	3
SPCH 1321	CORE 010	Business and Professional Communication	3	CORE 080	CORE 080	Social/Behavioral Sciences Core	3
ITSY 1300 ¹	VO--	Fundamentals of Information Security	3	ITMT 2304 ¹	VO--	Implementing an Advanced Server Infrastructure	3
ITDF 1300 ¹	VO--	Introduction to Digital Forensics	3	ITSC 2325 ¹	VO--	Advanced Linux	3
ITMT 2305 ¹	VO--	Designing and Implementing a Server Infrastructure	3	ITSY 2342 ¹	VO--	Incident Response and Handling	3
ITSC 1305 ¹	VO--	Introduction to PC Operating Systems	3	ITSY 2345 or ITSY 2386 ¹	VO--	Network Defense and Countermeasures or Internship-Computer and Information Systems Security	3
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Dallas College or Texas A&M University – Central Texas			
Dallas 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
CORE 070 ²	CORE 070	Government/Political Science Core	3
CORE 090 ²	CORE 090	Component Area Option 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			30

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	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 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	Upper-Level 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

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Dallas College.

For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

- 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.
- Not all Degree Requirement courses are completed with the AAS. Student will need to complete these remaining lower-level courses at Dallas College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- Students can also fulfill this degree requirement by enrolling in CIS 3330, CIS 3331, or CIS 3332.
- Students can also fulfill this degree requirement by enrolling in BUSI 3311.