



AAS – Cyberdefense – Information Assurance to BAAS – Information Technology Cybersecurity Concentration 2022-2023 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 ²	VOBU	Firewalls and Network Security	4
ITSC 1316 ²	VOBU	Linux Installation and Configuration	3	ITNW 1313 ²	VOBU	Computer Virtualization	3
ITCC 1314 ²	VOBU	CCNA 1: Introduction to Networks	3	ITSY 1342 ²	VOBU	Information Technology Security	3
ENGL 1301	CORE 010	Composition I	3	GOVT 2305 or GOVT 2306	CORE 070	Federal Government or Texas Government	3
CORE 020	CORE 020	Mathematics Core Selection	3	SPCH 1318 or SPCH 1321	CORE 010	Interpersonal Communication or Business & Professional Communication	3
ITNW 1316 ²	VOBU	Network Administration	3	ITSY 2345 ²	VOBU	Network Defense and Countermeasures	3
ITSE 1359 ²	VOBU	Introduction to Scripting Languages	3	CORE 050	CORE 050	Creative Arts Core Selection	3
ITCC 1344 ²	VOBU	CCNA2: Switching, Routing and Wireless Essentials	3	ITNW 1454 ²	VOBU	Implementing and Supporting Servers	4
CORE 040	CORE 040	Language, Philosophy and Culture Core Selection	3	ITSY 2459 ²	VOBU	Security Assessment and Auditing (CAPSTONE)	4
CORE 080	CORE 080	Social and Behavioral Science Selection Core Selection	3				
							Subtotal
							60

Additional Lower-Level or Upper-Level Degree Requirements			
Central Texas College or Texas A&M University – Central Texas			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
CORE 030 ¹	CORE 030	Life and Physical Science Core Selection	3
CORE 030 ¹	CORE 030	Life and Physical Science Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 070 ¹	CORE 070	Government/Political Science Core Selection	3
COSC 1320 or COSC 1336 ¹	CORE 090	C Programming I or Programming Fundamentals I	3
			Subtotal
			18

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 4341	Information Technology Security and Risk Management	3	CIS 3365	System Analysis and Design	3
BUSI 3311	Business Statistics	3	CIS 4301	Database Theory and Practices	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4345	Network and Systems Security	3
CIS 3360	Ethics in Computing	3	CIS 4346	Applied Security	3
CIS 4350	Management Information Systems	3	CIS 4360	Strategic Information Systems	3
CIS 3361	Introduction to Computer Forensics	3	CIS 4348	Security Trends and Malware Analysis	3
CIS 4342	Computer Security Principles and Practices	3	Upper-Level CIS Elective	Upper-Level CIS Elective	3
				Subtotal	42
				Total	120

Notes/Comments

The following Pathway Plan is suggested for full-time students. Part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

- Not all Degree Requirement courses are completed with the AAS. Student will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
- 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.