



AAS – Network Systems Administrator to BAAS – Information Technology Management and Networking 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
ITCC 1314 or ITNW 1325 ²	VOBU	CCNA 1: Introduction to Networks or Fundamentals of Networking Technologies	3	ITNW 1313 ²	VOBU	Computer Virtualization	3
ITSC 1316 ²	VOBU	Linux Installation and Configuration	3	ITSY 1342 ²	VOBU	Information Technology Security	3
ENGL 1301	CORE 010	Composition I	3	CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 020	CORE 020	Mathematics Core Selection	4	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	ITNW 1337 ²	VOBU	Introduction to the Internet	3
ITCC 1344 ²	VOBU	CCNA 2: Switching, Routing, and Wireless Essentials	3	ITSW 1307 ²	VOBU	Introduction to Database	3
GOVT 2305 or GOVT 2306	CORE 070	Federal Government or Texas Government	3	ITNW 1454 or ITNW 2488 ²	VOBU	Implementing and Supporting Servers or Internship – Computer Systems Networking/Telecommunications	4
CORE 080	CORE 080	Social and Behavioral Sciences 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 040 ¹	CORE 040	Language, Philosophy and Culture 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
BUSI 2305 ¹	BUSI 2305	Business Statistics	3
Subtotal			24

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 4335	UNIX Systems Administration	3
CIS 3360	Ethics in Computing	3	CIS 4376	Network Administration	3
CIS 3305	Operating Systems Theory and Practice	3	CIS 4360	Strategic Information Systems	3
CIS 4350	Management Information Systems	3	CIS 4345	Network and Systems Security	3
CIS 3365	System Analysis and Design	3	CIS 4378	Comprehensive Networking	3
CIS 4301	Database Theory and Practices	3	Upper-Level CIS Elective	Upper-Level CIS Elective	3
CIS 4341	Information Technology Security and Risk Management	3			
Subtotal					39
Total					123

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.