Cybersecurity
Associate of Applied Science
100% Online

AAS.ITSY.OP
2024-2025

Texas Southmost College
Division of Business, Engineering, Architecture, and Technology

The Associate of Applied Science in Cybersecurity prepares individuals to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Includes instruction in computer architecture, programming, and systems analysis; networking; telecommunications; cryptography; security system design; applicable law and regulations; risk assessment and policy analysis; contingency planning; user access issues; investigation techniques; and troubleshooting.

Recommended Course Sequence

FIRST YEAR – FALL SEMESTER	Credits	Suggested Semester/ Year
MATH 1314 College Algebra	3	Fall/Year 1
XXXX X3XX† Language, Philosophy & Culture/Creative Arts Elective	3	Fall/Year 1
ITSY 1300* Fundamentals of Information Security	3	Fall/Year 1
ITSC 1325* Personal Computer Hardware	3	Fall/Year 1
ITSC 1416* Linux Installation and Configuration	4	Fall/Year 1
FIRST YEAR – SPRING SEMESTER	Credits	Core/ Program
ENGL 1301 Composition I	3	Spring/Year 1
ITNW 2413* Networking Hardware	4	Spring/Year 1
ITNW 1313* Computer Visualization	3	Spring/Year 1
ITSY 1442* Information Technology Security	4	Spring/Year 1
SECOND YEAR – FALL SEMESTER	Credits	Core/ Program
ENGL 1302 Composition II	3	Fall/Year 2
XXXX X3XX‡ Social and Behavioral Sciences Elective	3	Fall/Year 2
ITNW 2405* Network Administration	4	Fall/Year 2
ITSY 2300* Operating Systems Security	3	Fall/Year 2
ITDF 2425* Digital Forensics Tools	4	Fall/Year 2
SECOND YEAR – SPRING SEMESTER	Credits	Core/ Program
SPCH 1315 Public Speaking	3	Spring/Year 2
ITSY 2317* Wireless Security Development	3	Spring/Year 2
ITSW 2364* Practicum (or Field Experience) – Data Processing and Data Processing Technology/Technician	3	Spring/Year 2
ITNW 2412* Routers	4	Spring/Year 2
Total Credit Hours for Graduation	**60**	

Check course core designation at the Class Availability website.

Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Graduates from the program can assess and apply security measures to protect computers and network systems. In addition, they can monitor and maintain security devices and systems.

2. Graduates from the program will earn nationally recognized industry credentials (i.e. CompTIA and Certified Ethical Hacker).

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.

*Grade of "C" or better is required for graduation.

‡Students may take any course within this category of the TSC General Education Core Curriculum.

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