



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

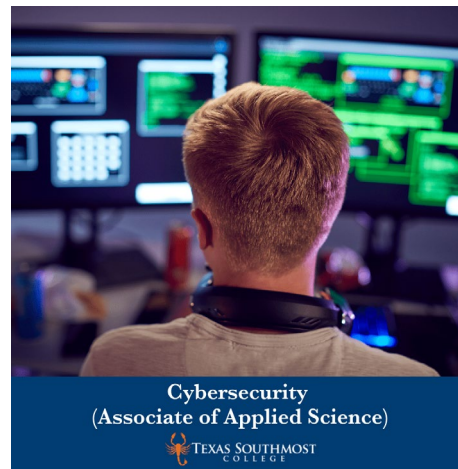
Check course core designation at the [Class Availability website](#).

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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Cybersecurity
(Associate of Applied Science)
TEXAS SOUTHMOST COLLEGE

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 this new program will earn nationally recognized industry credentials (i.e., CompTIA and Certified Ethical Hacker).