Cybersecurity
Associate of Applied Science

Texas Southmost College
Division of Science, Technology, Engineering & Mathematics

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.

FIRST YEAR - FALL SEMESTER   **CREDIT HOURS**
ITSY 1300[+] Fundamentals of Information Security 3
MATH 1314[+] College Algebra 3
XXXX X3XX[1] Language, Philosophy and Culture/Creative Arts Elective 3
ITSC 1325[+] Personal Computer Hardware 3
ITSC 1416[+] Linux Installation and Configuration 4

FIRST YEAR - SPRING SEMESTER
ITNW 2413[+] Networking Hardware 4
ENGL 1301 Composition I 3
ITNW 1313[+] Computer Virtualization 3
ITSY 1442[+] Information Technology Security 4

SECOND YEAR - FALL SEMESTER
ITNW 2405[+] Network Administration 4
ENGL 1302 Composition II 3
ITSY 2300[+] Operating Systems Security 3
XXXX X3XX[2] Social and Behavioral Sciences Elective 3
ITDF 2425[+] Digital Forensics Tools 4

SECOND YEAR - SPRING SEMESTER
SPCH 1315 Public Speaking 3
ITSY 2317[+] Wireless Security Development 3
ITSW 2364[+] Practicum (or Field Experience) - Data Processing and Data Processing Technology/Technician 3
ITNW 2412[+] Routers 4

TOTAL CREDIT HOURS FOR GRADUATION – 60

[+] Grade of "C" or better is required for graduation.
[1] Students may take any course within this category of the TSC General Education Core Curriculum.
[2] Students may take any course within this category of the TSC General Education Core Curriculum.