Cyber Security
Associate of Applied Science

Full-time, Fall Start

www.pima.edu/cybersecurity-aas

Prepare for careers in the rapidly expanding field of cybersecurity. Learn a variety of cyber tools, events analysis, and threat mitigation techniques based on a strong foundation in systems, networking, and security. This program will enable you to respond to crises and rapidly resolve cybersecurity incidents.

Title IV Financial Aid eligible: Yes

What can I do with this degree?

Career options: Work in Cyber Defense, Cyber Defense Incident Responder, and Computer Systems Security Administrator

Academic options: This program may apply toward a Bachelor of Applied Science (BAS). See an advisor.

CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

Placement

Students must meet prerequisite standards before taking WRT 154 in the pathway below. If you are not prepared for these courses based on placement results you will need to take courses to build your skills prior to taking them. The sequence of courses follows.

Writing: ACL 080 > WRT 090 > WRT 154

If a MAT course higher than MAT 106, or WRT 101, is chosen, additional coursework may be needed.

Semester Pathway

This pathway is a suggested sequence of courses for your program of study. Work with an advisor to develop a unique pathway for you based on your placement recommendations, any prior college courses and your specific situation.

General Education Note: When General Education (Gen. Ed.) credits are listed below, select from the appropriate General Education course list linked from the program website. Some programs recommend specific courses.

For this pathway, ensure that one Gen. Ed. course fulfills the C or G requirement.

Semester 1 – Fall (Semester Total: 16 credits)
CIS 103: Microsoft Windows Operating System Professional Administration (3 credits)
CIS 136: Microcomputer Components (3 credits)
CMN 120: Business and Professional Communications (3 credits)
MAT 106: Elementary Data and Spreadsheets (3 credits) or higher MAT course
STU 100: College Success and Career Planning (1 credits)
CIS 137: Introduction to Linux Operating System (3 credits)

Semester 2 – Spring (Semester Total: 15 credits)
CIS 119: Network Essentials (3 credits)
CIS 188: Scripting for Automation (3 credits)
CIS 227: Cyber Law and Ethics (3 credits)
WRT 101: English Composition I (3 credits) or WRT 154: Career Communication (3 credits)
Gen. Ed.: CTE Social and Behavioral Science List (3 credits)

Semester 3 - Fall (Semester Total: 15 credits)

CIS 216: Introduction to Wireshark and Network Analysis (3 credits)

CIS 221: Microsoft Windows Server (3 credits)

CIS 225: Linux (UNIX) System and Network Administration (3 credits)

CIS 228: Fundamentals of Network Security (3 credits)

Gen. Ed.: CTE Arts and Humanities List (3 credits)

Semester 4 – Spring (Semester Total: 15-16 credits)

CIS 219: Introduction to Virtual Computing (3 credits)

CIS 234: Project Management (3 credits)

CIS 245: Cyber Analytics, Detection and Response (3 credits)

CIS 247: Ethical Hacking (3 credits)

CIS 284: Cybersecurity Capstone (1 credits)

Elective: CIS Elective (3 credits)
    or STU 210 (2 credits)

PROGRAM TOTAL: 61-62 credits

Program/Major/Concentration Codes: **AASCYB/CYB**

Find more information about this program at:
www.pima.edu/cybersecurity-aas