Networking/Cyber Defense
Associate of Applied Science
CISCO Focus

Full-Time, Fall Start

www.pima.edu/networking-aas

Are you interested in working with Cisco Systems networking and Internet hardware? Learn how to install, configure, maintain and troubleshoot Cisco routers and components. Courses also provide preparatory knowledge to take a variety of industry-recognized certifications.

Title IV Financial Aid eligibility: Yes

What can I do with this degree?

Career options: Graduates are prepared for a technical career working with networks and Cisco routers.

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 required 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 BUS 151, GTM 105, or a MAT course higher than MAT 106 is chosen, and/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 (3 credits)
CIS 136: Computer Hardware Components (3 credits)
STU 100: College Study Skills (1 credit)
Gen. Ed.: CTE Communication List. Recommend: WRT 154: Career Communications (3 credits)
Gen. Ed.: CTE Mathematics & Science List Recommend: MAT 106: Elementary Data with Spreadsheets (3 credits)
Gen. Ed.: CTE Social & Behavioral Sciences List. Recommend: or ECN 150 An Economic Perspective (3 credits)   or **GE0 104** World Regional Geography (3 credits)   or **JRN 102** Survey of Media Communications (3 credits)   or **POS 201** American National Government and Politics (3 credits)   or **POS 202** Introduction to International Relations (3 credits)

Semester 2 - Spring (Semester Total: 16-17 credits)

CIS 137: Introduction to the UNIX Operating System (3 credits)

CIS 170: CISCO I: Networking Fundamentals (4 credits)

CIS 219: Introduction to Virtual Computing (3 credits)

CIS 221: Deploying and Managing Windows Servers (3 credits)

Gen. Ed.: CTE Arts & Humanities List. Recommend: ART 100 Basic Design (3 credits)
  or **DAR 250** Computer 2D Animation: Adobe After Effects (4 credits)

Semester 3 - Fall (Semester Total: 14 credits)

CIS 171: CISCO II: Network Router Technologies (4 credits)

CIS 222: Implementing Windows Server Network Infrastructure (3 credits)

CIS 228: Fundamentals of Network Security (4 credits)

Gen. Ed.: CTE Other List. Recommend CMN 120: Business and Professional Communications (3 credits)

Semester 4 - Spring (Semester Total: 15 credits)

CIS 172: CISCO III Advanced Routing and Switching (4 credits) Take first 8-week session

CIS 173: CISCO IV Project Based Learning (4 credits) Take second 8-week session

CIS 216: Introduction to Wireshark and Network Analysis (4 credits)

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

PROGRAM TOTAL: 61-62 credits

Program/Major Codes: AASCOMPSYSAD/CSN2

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