

Area of Interest: Computer Technology, Engineering and Math

Degree: Cyber Security, Associate of Applied Science (AAS)

Stackable Certificates: Computer Technician &
Cybersecurity Technician

College Catalog: [2024-2025](#)



Program Location: All Campuses

Program Description: The Cyber Security AAS covers the skills required to secure, protect, and identify vulnerabilities in a network, including various operating systems and network devices. Emphasis is placed on developing the theoretical, legal, ethical, and practical skills needed to maintain security on mission-critical networking and server systems. Many of the courses offer regionally or nationally recognized certifications.

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Advising: stem.advisor@centralaz.edu

Area of Interest Website: [Computer Technology, Engineering and Math - Central Arizona College \(centralaz.edu\)](#)

Legend

Bold Course=Required Course

Recommended Course (**R**)

AGEC Course list (Arizona General Education Curriculum)

Written Communication (WC)	Oral Communication (OC)	Arts/Humanities (AH)	Social/Behavioral Science (SB)
Lab Science (LS)	Mathematics (M)	Core Course (CC)	Transfer Elective (TE)

Semester 1: New Students-Find your suggested starting point for [English/Reading & Math courses](#).

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC	CC	CIS119 Set-up & Maintenance of Personal Computers	3		
SC	CC	CIS120 Survey of Computer Information Systems	3		
SC	CC	CIS121 Windows Operating System Fundamentals	3		
	M	BUS101 Business Mathematics or MAT118 Essential Mathematics or higher	3-4		MAT151 College Algebra is strongly recommended for Transfer Students.
	WC	ENG101 College Composition I or ENG121 Applied Technical Writing	3		
		Semester Credits:	15-16	Meet with your CAC advisor each semester!	

Semester 2

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC	CC	CIS115 Customer Service & Workplace Success	3		
SC	CC	CIS123 Introduction to Programming	3		
SC	CC	CIS130 Networking Essentials	3		
	LS	AGEC Biological & Physical Sciences course	4		
	AH	AGEC Arts & Humanities course	3		
		Semester Credits:	16	Research Career and Transfer Opportunities!	

Semester 3

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC	CC	CIS153 Network Security	3		
SC	CC	CIS176 Python Programming	3		
	CC	CIS252 Windows Network Infrastructure	3		
SC	EC	CIS273 Network Defense	3		
R	SB	ECN200 Contemporary Economic Issues	3		
Semester Credits:			15	Apply for graduation & attend transfer events!	

Semester 4

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC	CC	CIS213 Linux Server	3		
SC	CC	CIS225 Practical Applications in Cyber Security	3		
SC	CC	CIS253 Windows Server Identity	3		
SC	CC	CIS275 Computer Forensics & Investigation	3		
R	OC	COM259 Professional Communication	3		
Semester Credits:			15	Finish Strong-don't get distracted before finals!	
Total Degree Credits:			62		
Total Certificate Credits:			39		

Arizona Resident Tuition is \$75 per credit hour, see [Paying for College](#). Financial aid may be available.

Career Information

CAC Career Center: centralaz.edu/career FREE CAC career resources and assistance

O*NET: Visit onetonline.org, search for Occupations in Cybersecurity Intern, Cybersecurity Analyst, Penetration Tester

- Education needed for specific occupations. Associate Degree or certificate=13%
- Occupation tasks, knowledge, skills, and abilities Problem Solving, Critical Thinking, Active Listening, Customer Service, Integrity
- Salary/wages for specific occupations (\$60,000 annually)

Transfer Information

CAC University Transfer Center: centralaz.edu/transfer FREE CAC transfer resources and assistance.

AZTransfer Computer Information Systems Major Guide has a list of transfer programs at ASU, NAU, or UA.

Note: Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

Part-Time Students: Plans can be modified to fit the need of part-time students by adding more semesters.

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Student Name:

Advisor Name:

Student ID Number: 880

Date: