

Cybersecurity Program



BASHA
HIGH SCHOOL



CHANDLER-GILBERT
COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE



Chandler

Basha High School Cyber Academy

Certificate of Completion in Cyber Fundamentals (with ITS 240 taken concurrently at CGCC), Certificate of Completion in Computer System Configuration and Support Security, Certificate of Completion Linux Associate OR Certificate of Completion in Red Hat Linux Administrator, Certificate of Completion in Amazon Web Services Cloud Practitioner

Courses	Course Titles	Credits
CIS105	Survey of Computer Information Systems	3
BPC170	A+ Exam Prep: Computer Hardware & Support	3
BPC270	A+ Exam Prep: Operating System Configuration	3
CIS126DL	Linux Operating System	3
CNT140AB	Introduction to Networks	4
CNT150AA	Routing and Switching Essentials (NOT part of Cyber Operations Program)	4
ITS110	Information Security Fundamentals	3
CIS156	Python Programming	3
CIS111	Ethics in Information Technology	3

Chandler Gilbert Community College

Associate in Applied Science in Cybersecurity, Certificate of Completion in Cybersecurity Fundamentals, Certificate of Completion in Cyber Operations

Courses	Course Titles	Credits
CIS238DL	Linux System Administration	3
ITS240	Ethical Hacking & Network Defense	3
CIS290AC OR CIS298AC	Computer Information Systems Internship OR Special Projects	3
ITS291	Computer Forensics Foundations	4
ITS292	Advanced Computer Forensics	4
ENG101	First Year Composition	3
ENG102	First Year Composition	3
*CRE101 or test exempt	College Critical & Evaluative Reading or <i>Exemption by Assessment</i> <i>If exempt, must substitute with Literacy [L] course</i>	3
MAT141/142	College Mathematics	3-4
Oral Com +SB	COM 100, 110, or 230 (COM 100, 110, or 230 will count as SB course for credit)	3
HU	Any approved Humanities, Arts, & Design course	3
SB	Any approved Social-Behavioral Sciences course	3

SQ/SG	Any approved Natural Science course	4
HU	Any approved Humanities, Arts, & Design course	3
LANG	Second Language Proficiency (second semester level proficiency)	0-8
SB	Any approved Social-Behavioral Sciences course	3
SB	Any approved Social-Behavioral Sciences course	3

University of Arizona Chandler - College of Applied Science and Technology
Bachelor of Applied Science in Cyber Operations, Emphasis in Defense & Forensics

Courses	Course Titles	Credits
ENGV 306	Advanced Composition	3
BASV 314	Mathematics for Applied Science	3
APCV 320	Computational Thinking & Doing	3
CYBV 326	Introductory Methods of Network Analysis	3
CYBV 329	Cyber Ethics	3
CYBV 385	Introduction to Cyber Operations	3
CYBV 400	Active Cyber Defense	3
CYBV 388	Cyber Investigations and Forensics	3
CYBV 435	Cyber Threat Intelligence	3
CYBV 473	Violent Python	3
CYBV 480	Cyber Warfare	3
CYBV 498	Senior Capstone	3
	Defense/Forensics Electives (choose 1 course)	
CYBV 436	Counter Cyber Threat Intelligence	3
CYBV 454	Malware Threats & Analysis	3
CYBV 471	Assembly Language Programming for Security Professionals	3
CYBV/NETV477	Advanced Cyber Forensics	3
CYBV 481	Social Engineering	3
INDV	Upper division Individual & Societies course	3
Elective	Upper division elective course to reach unit requirement	3