

## Associate of Applied Science in Network Technology to Bachelor of Science in Cyber and Data Security Technology

Pending receipt and evaluation of official transcripts, this program to program transfer pathway is unofficial; does not guarantee automatic acceptance of transfer credits; and is based solely on Cochise College coursework with a grade of C- or better. The University of Arizona Global Campus (UAGC) course applicability and availability to take additional coursework beyond the designated Cochise degree will vary based on each student's individual transfer credit situation. We recommend students work with their UAGC Academic Advisor during their first UAGC course to ensure duplicative coursework is not scheduled pending their official transfer credit evaluation. For complete degree, residency, and transfer credit policies, please refer to the UAGC catalog. Successful completion of this UAGC program by itself does not provide licensure or certification in any state, regardless of concentration or specialization.

For questions about the University of Arizona Global Campus portion of this transfer pathway, contact [articulation@uagc.edu](mailto:articulation@uagc.edu).

Cochise General Education Courses	Credits	UAGC Course Applicability / Notes
ENG 101 Composition -OR- ENG 101L Composition with Support Lab	3	Written Communication I Core Competency
ENG 102 English Composition	3	Written Communication II Core Competency
Mathematics Course (MAT 142 -OR- Higher) †MAT 151 College Algebra -OR- †MAT 167 Elements of Statistics	3-4	Quantitative Reasoning Core Competency / **MAT 222 Intermediate Algebra -OR- **MAT 232 Statistical Literacy
CIS 120 Introduction to Information Systems	3	TEC 101 Fundamentals of Information Technology & Literacy
Liberal Arts Course †Select an ART, DMA, ENG, HUM, MUS, or THE for AAS degrees.	3	Aesthetic Awareness & Reasoning Competency
Liberal Arts Course †Select an ASL, GEO, HIS, HUM, SOC, or SPA course from Cochise Liberal Arts course offerings for AAS degrees.	3	Intercultural & Global Awareness Competency
Cochise Major Courses	Credits	UAGC Course Applicability / Notes
CIS 128 Linux Operating System	4	Digital Literacy Competency
CIS 179 Applied Technical Writing	3	Elective
CIS 229 Linux System Administration	4	Elective
CIS 236 Microsoft Workstation Operating Systems	4	Elective
CIS 245 Microsoft Server and Active Directory	4	Elective
CIS 260 Service and Maintenance of Personal Computers	4	Elective
CIS 262 Network Support and Troubleshooting	4	Elective
CIS 270 Systems Analysis	4	Elective
CYB 101 Introduction to Cybersecurity	3	Elective
CYB 102 Networking Foundations	3	*INT 301 Computer Networking
CYB 103 Basic Operating Systems	3	Elective
CYB 125 Introduction to Scripting for Cybersecurity (Prerequisite for CYB 201)	4	CPT 200 Fundamentals of Programming Languages
CYB 201 Cybersecurity for Networking	4	Elective
<b>Total Transfer Credits</b>	<b>47</b>	

All UAGC courses are required unless otherwise noted. Any UAGC course prerequisites not completed in transfer are required to be fulfilled even if those prerequisites are not a requirement within the selected UAGC program. Course prerequisites are listed in the UAGC catalog.

†Preferred course to be taken at Cochise. UAGC course is required if not taken in transfer.

\*Lower-division transfer courses will not count towards the 30-credit upper-division requirement at UAGC.

\*\*MAT 222 Intermediate Algebra (3 credits) and MAT 232 Statistical Literacy (3 credits) are graduation requirements for this program. If students do not have transfer credit that directly meets one or both of these requirements, they will be required to take the UAGC course(s).

UAGC Entry & General Education Courses	Credits	UAGC Course Applicability / Notes
GEN 101 Developing Skills & Strategies for Success	3	Required, non-transferable entry course.
Ethical Reasoning Core Competency	3	
Critical Thinking Core Competency	3	
Oral & Interpersonal Communication Core Competency	3	
Information Literacy Core Competency	3	
Civic Responsibility Competency	3	
Scientific Reasoning Competency	4	
GEN 499 General Education Capstone (Upper Division)	3	Required, non-transferable capstone course.
UAGC Major Courses	Credits	UAGC Course Applicability / Notes
CYB 101 Defensive Network Reconnaissance	3	
ECO 203 Principles of Macroeconomics	3	
CYB 102 Network Penetration Testing – Breaching Defenses	3	
CYB 200 Database Security Defense in Depth	3	
**MAT 222 Intermediate Algebra -OR- **MAT 232 Statistical Literacy	3	
CYB 201 Beginning White Hat Ethical Hacker	3	
CYB 300 System Administration and Security	3	
CYB 301 Introduction to Cyber & Data Security Technology	3	
CYB 302 Secure Web Applications & Social Networking	3	
CYB 303 Advanced White Hat Ethical Hacker	3	
CYB 304 Security Information Systems Security Manager	3	
ENG 328 Scientific & Technical Writing	3	
CYB 400 Cryptography	3	
CYB 401 Risk Management & Infrastructure	3	
CYB 402 Computer Forensics	3	
CYB 499 Capstone for Cyber & Data Security Technology (Upper Division)	3	Required, non-transferable capstone course that must be taken last.
<b>Total UAGC Credits</b>	<b>73</b>	
<b>Total Required Credits for Bachelor's Degree</b>	<b>120</b>	Must include 30 upper division credits.