

Associate of Applied Science in Computer Programming

to

Bachelor of Science in Information 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. **This UAGC program is not designed to meet the state educational requirements for a specific professional license or certification in any state.**

For questions about the University of Arizona Global Campus portion of this transfer pathway, contact 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 Precalculus Algebra	3	Quantitative Reasoning Core Competency / **MAT 222 Intermediate Algebra
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 course from Cochise Liberal Arts course offerings 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	Elective
CIS 181 Computer Applications	3	Digital Literacy Competency (Meets TEC 100 requirement. Must be combined with CYB 101 and CYB 103.)
CIS 217 Intro to Visual C#.NET Programming	4	Elective
CIS 250 Database Management	4	*CPT 310 Database Systems & Management
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 Intro to Scripting for Cybersecurity	4	Elective
Cochise Concentration Options	Credits	UAGC Course Applicability / Notes
<i>Choose one concentration option to complete toward degree completion.</i>		
Programming Concentration		
CIS 130 Programming Logic -AND-	3	CPT 200 Fund. of Programming Lang -AND-
CIS 204 C Programming -AND-	4	Elective -AND-
CIS 208 Java Programming -AND-	4	Elective -AND-
CIS 220C Data Structures-C -OR-	4	Elective
CIS 220J Data Structures-Java		
Virtual Reality Development Concentration		
VRD 130 Virtual Reality Programming Logic	3	CPT 200 Fund. of Programming Lang -AND-
VRD 144 Virtual Reality Development in Unity	5	Elective -AND-
VRD 244 Virtual Reality Cross-Platform Application Development	4	Elective -AND-
VRD 264 Unity Programming Standards and Application	4	Elective

Total Transfer Credits 50

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	3	Required, non-transferable capstone course.
UAGC Major Courses	Credits	UAGC Course Applicability / Notes
**MAT 233 Statistics and Discrete Mathematics	3	
ECO 203 Principles of Macroeconomics	3	
ENG 328 Scientific & Technical Writing	3	
CPT 301 Computer Organization and Architecture	3	
CPT 304 Operating Systems Theory & Design	3	
CPT 307 Data Structures, Algorithms, and Designs	3	
CYB 300 System Administration and Security	3	
CST 301 Software Technology and Design	3	
TMG 300 Scrum Basics	3	
INT 306 Introduction to JavaScript Programming	3	
INT 303 Human Computer Interaction	3	
INT 304 Web Design & Development	3	
INT 305 Mobile Application Design & Development	3	
INT 401 Information Technology Strategy & Management	3	
INT 499 Capstone for Information Technology	3	Required, non-transferable capstone course that must be taken last.

Total UAGC Credits 70

Total Required Credits for Bachelor's Degree 120 *Must include 30 upper division credits.*

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 233 Statistics and Discrete Mathematics (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).