

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. 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.

| 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 | Elective |
| CIS 181 Computer Applications | 3 | Digital Literacy Competency |
| 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 | |

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 | <i>Required, non-transferable entry course.</i> |
| 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 | <i>Required, non-transferable capstone course.</i> |
| UAGC Major Courses | Credits | UAGC Course Applicability / Notes |
| **MAT 222 Intermediate Algebra -OR- **MAT 232 Statistical Literacy | 3 | |
| ECO 203 Principles of Macroeconomics | 3 | |
| ENG 328 Scientific & Technical Writing (Upper Division) | 3 | |
| CPT 301 Computer Organization and Architecture (Upper Division) | 3 | |
| CPT 304 Operating Systems Theory & Design (Upper Division) | 3 | |
| CPT 307 Data Structures, Algorithms, and Designs (Upper Division) | 3 | |
| CYB 300 System Administration and Security (Upper Division) | 3 | |
| CST 301 Software Technology and Design (Upper Division) | 3 | |
| TMG 300 Scrum Basics (Upper Division) | 3 | |
| INT 302 Programming with C++ (Upper Division) | 3 | |
| INT 303 Human Computer Interaction (Upper Division) | 3 | |
| INT 304 Web Design & Development (Upper Division) | 3 | |
| INT 305 Mobile Application Design & Development (Upper Division) | 3 | |
| INT 401 Information Technology Strategy & Management (Upper Division) | 3 | |
| INT 499 Capstone for Information Technology (Upper Division) | 3 | <i>Required, non-transferable capstone course that must be taken last.</i> |
| Total UAGC Credits | 70 | |
| Total Required Credits for Bachelor's Degree | 120 | <i>Must include 30 upper division credits.</i> |