

## Associate in Applied Science Artificial Intelligence and Machine Learning (3891)

to

## Bachelor of Science in Information Technology

This program to program transfer pathway is unofficial; does not guarantee automatic acceptance of transfer credits; and is based solely on Maricopa County Community College District coursework with a grade of C- or better. Maricopa may require a different grade for successful completion. The University of Arizona Global Campus (UAGC) course applicability and availability to take additional coursework beyond the designated Maricopa 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).

Maricopa General Education Courses	Credits	UAGC Course Applicability / Notes
ENG 101 First-Year Composition -OR- ENG 107 First-Year Composition for ESL	3	Written Communication I Core Competency
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Mathematics (MA Gen Ed Designated Courses) <i>Meeting prerequisites for Maricopa MAT 22+</i>	0-9	Quantitative Reasoning Core Competency
MAT 220 Calculus with Analytic Geometry I -OR- MAT 221 Calculus with Analytic Geometry I	4-5	Elective
†CRE101 College Critical Reading and Critical Thinking -OR- Equivalent as indicated by assessment	0-3	Critical Thinking Core Competency
Natural Sciences (Selective SG or SQ Gen Ed Designated Courses)	4	Scientific Reasoning Competency <i>(Must have a lab)</i>
COM 100 Intro to Human Communication -OR- COM 110 Interpersonal Communication -OR- COM 225 Public Speaking -OR- COM 230 Small Group Communication	3	Oral & Interpersonal Communication Core Competency
Humanities, Fine Arts & Design (Selective HU Gen Ed Designated Courses)	3	Ethical Reasoning Core Competency -OR- Aesthetic Awareness & Reasoning -OR- Intercultural & Global Awareness -OR- Civic Responsibility Competency
Social-Behavioral Sciences (Selective SB Gen Ed Designated Courses) †ECN 211 Macroeconomic Principles	3	ECO 203 Principles of Macroeconomics
Maricopa Required Courses	Credits	UAGC Course Applicability / Notes
FYE 101 Introduction to College, Career and Personal Success -OR- FYE 103 Exploration of College, Career and Personal Success	1-3	Elective
AIM 100 Introduction to Artificial Intelligence	3	Elective -OR- AIS 200 Principles of Artificial Intelligence <i>(Part of Artificial Intelligence and Healthcare Management Emphases)</i>
†CIS 105 Survey of Computer Information Systems -OR- May be waived by permission of the program director	0-3	TEC 101 Fundamentals of Information Technology & Literacy
CIS 156 Python Programming: Level I	3	CPT 200 Fundamentals of Programming Languages <i>(Part of Artificial Intelligence Emphasis)</i>
CIS 119DO Introduction to Oracle: SQL -OR- CIS 276DA MySQL Database -OR- CIS 276DB SQL Server Database	3	Elective
ECE 102 Engineering Analysis Tools and Techniques	2	Elective
AIM 110 Introduction to Machine Learning	3	Elective
ECE 103 Engineering Problem Solving and Design	2	Elective
AIM 210 Natural Language Processing	3	Elective
AIM 220 Artificial Intelligence for Computer Vision	3	Elective
AIM 230 Artificial Intelligence for Business Solutions	3	Elective
AIM 240 Artificial Intelligence Capstone Project	3	Elective -OR- AIS 300 Principles of Data Analytics <i>(Part of Artificial Intelligence and Healthcare Management Emphases)</i>
MAT 206 Elements of Statistics	3	MAT 232 Statistical Literacy
MAT 225 Elementary Linear Algebra	3	Elective

Maricopa Restricted Electives	Credits	UAGC Course Applicability / Notes
<i>Select a programming language from below that best aligns with academic and professional goals to complete a minimum of 60 semester credits. (CIS 150, CIS150AB, CIS 159, CIS 162++, CIS 163AA, CIS 165++, CSC 100++, -OR- CSC 110++)</i>	0-3	Elective
<b>Total Transfer Credits</b>	<b>61-69</b>	

Upon completion of this Maricopa degree with a minimum 2.0 cumulative GPA, students will have fulfilled all lower-division General Education requirements at UAGC.

UAGC Entry & General Education Courses	Credits	UAGC Course Applicability / Notes
ASH 101 Launchpad: Developing Skills & Strategies for Success	3	<i>Required, non-transferable entry course.</i>
GEN 499 General Education Capstone <i>(Upper Division)</i>	3	<i>Required, non-transferable capstone course.</i>
UAGC Major Courses	Credits	UAGC Course Applicability / Notes
ENG 328 Scientific & Technical Writing <i>(Upper Division)</i>	3	
CPT 301 Computer Organization & Architecture <i>(Upper Division)</i>	3	
CPT 304 Operating Systems Theory & Design <i>(Upper Division)</i>	3	
CPT 307 Data Structures, Algorithms, & Designs <i>(Upper Division)</i>	3	
INT 301 Computer Networking <i>(Upper Division)</i>	3	
CPT 310 Database Systems & Management <i>(Upper Division) (Upper Division)</i>	3	
CYB 300 System Administration & Security <i>(Upper Division)</i>	3	
CST 301 Software Technology & Design <i>(Upper Division)</i>	3	
TMG 300 Scrum Basics <i>(Upper Division)</i>	3	
INT 302 Programming with C++ <i>(Upper Division)</i>	3	
INT 303 Human Computer Interaction <i>(Upper Division)</i>	3	
INT 304 Web Design & Development <i>(Upper Division)</i>	3	
INT 305 Mobile Application Design & Development <i>(Upper Division)</i>	3	
INT 401 Information Technology Strategy & Management <i>(Upper Division)</i>	3	
INT 499 Capstone for Information Technology <i>(Upper Division)</i>	3	<i>Required, non-transferable capstone course that must be taken last.</i>
UAGC Electives	Credits	UAGC Course Applicability / Notes
Electives	0-8	
<b>Total UAGC Credits</b>	<b>51-59</b>	

**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.

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

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

**The Artificial Intelligence or Healthcare Management Emphasis may be added to any UAGC bachelor's degree.**