Applied Technology, BS

University of Maryland - Global Campus

Johnson County Community College Transfer Program to the University of Maryland Global	Transfer Advising
	800-888-8682
Applied Technology, BS	cctransfer@umgc.edu
Academic Year 2025-2026	umgc.edu

Program Description

This guide provides transfer information for the Associate of Applied Science in Computer Information Systems degree (https://catalog.jccc.edu/degreecertificates/computerinformationsystems/comp-info-systems-aas/) at JCCC and the Bachelor of Science in Applied Technology at the University of Maryland Global Campus.

This 120-credit program is unique for its flexibility. In this program, you'll be able to choose courses from among several different computing-related focus areas, including cybersecurity, computer science, information technology, and cyber operations. This curriculum is designed to help you gain practical skills and hands-on experience while customizing your studies to account for personal interest, market needs, or career goals. At the end of this curriculum, you will conclude your self-directed learning journey by enrolling in the applied technology capstone course, where you are asked to come up with a computer-based solution to a real-world business problem. A great fit for mid-career professionals looking to advance their careers, the applied technology bachelor's degree may help you gain the skills and knowledge base you need to pursue your goals.

Admission Requirements:

- Submit Application (https://apply.umgc.edu/). Application fee is waived for JCCC students.
- Submit Transcripts: submit official transcripts from every institution previously attended (https://www.umgc.edu/admission/steps-to-apply-get-started/submit-your-transcripts/), including high school and college(s).
- Explore Financial Aid & Payment Options: Complete the Free Application for Federal Student Aid (FAFSA) (https://studentaid.gov/h/apply-for-aid/fafsa/) today. Anyone can apply, regardless of income. By turning in your FAFSA, you'll also automatically be considered for more than 100 UMGC scholarships. Review information about more ways to finance your education (https://www.umgc.edu/tuition-financial-assistance/), including military and veterans benefits (https://www.umgc.edu/military-and-veterans/tuition-benefits/) if you qualify. **FAFSA school code: 011644.**

Degree Requirements:

- A minimum of 120 credit hours are required for a bachelor's degree.
- A minimum of 36 upper-level credit hours are required for the bachelor's degree with a minimum 2.0 ("C") GPA.
- A minimum of 30 UMGC resident credits of which at least 15 must be upper-level.
- At least one-half of credits within the major and minor comprised of:
- Upper level
- UMGC resident
- Traditional
- No course within major or minor below 2.0 GPA ("C").
- Maximum of 70 transfer credits to UMGC from 2-year or community college (actual number of transfer credits dependent on meeting all UMGC bachelor's degree requirements).
- WRTG 112 completed with grade of 1.67 GPA ("C-") or better.

Computer Information Systems, AAS with UMGC equivalent courses

First Semester

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	**Title**	**Hours**			
CS 134	Programming Fundamentals	4	CMIS 141	Introductory Programming	3
ENGL 121	Composition I* (OR) Gen Ed Communications	3	WRTG Elective		
ENGL 119	College Composition I with Review* Gen Ed Communications	5	WRTG Elective		
MATH 171	College Algebra* (or any Precalculus/ Calculus course)	3	MATH 107	College Algebra	3
WEB 110	HTML and CSS (major any-discipline; outside of primary focus area)	3	CMST 385 ^		
Social & Behavioral Sciences Elective+ Gen Ed Behavioral & Social Science		3			

Total Hours = 16

Second Semester

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	**Title**	**Hours**			
CIS 204	UNIX Scripting and Utilities*	3	CMIT Elective		
Select one of the following courses:					
CS 200	Concepts of Programming Algorithms Using C ++* >	4	CMSC 115	Introductory Programming	3
CS 201	Concepts of Programming Algorithms using C#* >	4	CMSC 115	Introductory Programming	3
CS 205	Concepts of Programming Algorithms using Java* >	4	CMSC 115	Introductory Programming	3
IT 141	Introduction to Networks	3	CMIT 265	Fundamentals of Networking	3
Select one of the following courses:					
COMS 120	Interpersonal Communication	3	SPCH 125	Intro to Interpersonal Comm	3
COMS 121	Public Speaking	3	SPCH 101		
COMS 125	Personal Communication	3	SPCH 100	Foundations Oral Communication	3
ENGL 123	Technical Writing I*	3	WRTG 293	Intro to Professional Writing	3

Arts and Humanities Elective++ Transfers AS: PHIL 110 OR PHIL142	3

Total Hours= 16

Third Semester

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	**Title**	**Hours**			
Visit the Program Elective list for course options. Elective		3			
CIS 242	Introduction to System Design and Analysis* ^	3	IFSM 461	Systems Analysis and Design	3
CIS 260	Database Management* ^ elective	4	CMSC 320	Relational Database Cncpts/App	3
Select one of the following courses:					
CS 235	Object-Oriented Programming Using C++*	4	CMSC 215	Intermediate Programming	3
CS 236	Object-Oriented Programming Using C#*	4	CMSC 215	Intermediate Programming	3
CIS 240	Advanced Topics in Java*	4	CMSC 215	Intermediate Programming	3
WEB 114	Web Scripting: JavaScript I*	2	CMIT Elective		

Total Hours= 16

Fourth Semester

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	**Title**	**Hours**			
Visit the Program Elective list for course options. < CMST Elective					
CIS 264	Application Development and Programming*	4	CMST Elective		
CIS 275	Web-Enabled Database Programming* ^ elective	4	CMSC 340	Web Programming	3
Select one of the following courses:					
CS 250	Basic Data Structures using C++* ^	4	CMSC 315	Data Structures and Analysis	3
CS 255	Basic Data Structures Using Java* ^ elective	4	CMSC 315	Data Structures and Analysis	3

Total Hours= 15

*	JCCC course has a prerequisite or corequisite.
^	Lower-level course meets content requirement of upper-level course but does not transfer as upper-level.
+	An Economics (ECON) course is recommended. Transfer students should take a course that transfers to their chosen school.
++	PHIL 124 Logical and Critical Thinking or PHIL 143 Ethics is recommended. Transfer students should take a course that transfers to their chosen school.
>	Transfer students should take the language that transfers to their chosen school. Java or C# is recommended for most career students.

C++ is recommended for embedded systems and Java for mobile development.

< WEB 124 is recommended; a minimum of 6 total hours is required for Program Electives.
Students who complete CS 202 should contact the JCCC CSIS department chair about taking CS 252 as an alternative.

Last Approved Tue Sep 9 13:21:20 2025