



**AACC ASSOCIATE OF SCIENCE IN
COMPUTER SCIENCE TRANSFER – INFORMATION SYSTEMS**

Students transferring from AACC with a conferred Associate of Arts or Associate of Science degree will have the General Education Requirement (Gen Ed) block of courses met at UMGC (A.A.S. degrees not included). See community college advisor for course sequencing.



**UNIVERSITY OF MARYLAND
GLOBAL CAMPUS**

**CATALOG YEAR:
2022-2023**

UMGC BACHELOR OF SCIENCE IN COMPUTER SCIENCE

<http://www.umgc.edu/transfers-and-credits/community-college-alliances/maryland-community-college-alliances.cfm>

Degree requirements may change based on date of initial enrollment at UMGC.

CREDITS	ANNE ARUNDEL COMMUNITY COLLEGE Requirements for Associate's Degree	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	ENG 101 or ENG 101A Gen Ed requirement	WR TG 111 (Gen Ed Communications)
3	Arts & Humanities Gen Ed requirement (not COM)	Gen Ed Arts & Humanities
4	Biological & Physical Lab Science Gen Ed requirement	Gen Ed Biological & Physical Lab Science
4	CTP 115 Program requirement	CMIS 102 (Gen Ed Computing; related requirement to the major)
3	BPA 201 Program requirement	ACCT 220 (elective)
3	ENG 102 or ENG 102H Gen Ed requirement	WR TG 112 (Gen Ed Communications; <i>must be completed with C- or better</i>)
4	Biological & Physical Lab Science Gen Ed requirement	Gen Ed Biological & Physical Science
4	CTP 150 Program requirement	◆ CMIS 141 (required for major)
4	CTP 250 Program requirement	◆ CMIS 242 (required for major)
3	BPA 202 Program requirement	ACCT 221 (elective)
3	Arts & Humanities Gen Ed req (not COM; different discipline)	Gen Ed Arts & Humanities
3	MAT 230 Gen Ed requirement	MATH 220 (Gen Ed Mathematics; related requirement to the major)
3	ECO 211 recom'd Social & Behavioral Science Gen Ed req	ECON 201 (Gen Ed Behavioral & Social Science)
4	CTP 200 Program requirement	IFSM 461* (Gen Ed Communications to honor Gen Ed block)
3	Wellness course Gen Ed requirement	Elective
3	Social & Behavioral Science (not ECO or HIS)	Gen Ed Behavioral & Social Science
3	CTP 160 Program requirement	◆ SDEV 300* (required for the major)
3	MAT 250 recom'd Program elective	CMSC 150 (elective; related requirement to the major)
60	Total Credits Transferred	
REMAINING UMGC DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE		
	LIBS 150 Introduction to Research or other Gen Ed course (to be fulfilled with 1 credit of CTP 115 from AACC)	---
	PACE 111T Program and Career Exploration in Technology or other PACE 111	3
	MATH 141 Calculus II (elective; related requirement for major)	4
	◆ CMIS 310 Computer Systems and Architecture (required for the major)	3UL
	Elective	3
	◆ CMSC 350 Data Structures and Analysis (required for the major)	3UL
	Elective	3
	◆ CMSC 330 Advanced Programming Languages (required for the major)	3UL
	WR TG 393 Advanced Technical Writing or other upper-level writing (Gen Ed Communications)	3UL
	◆ CMSC 335 Object-Oriented and Concurrent Programming (required for the major)	3UL
	Elective	3
	◆ CMIS 330 Software Engineering Principles and Techniques (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ CMIS 320 Relational Database Concepts and Applications (required for the major)	3UL
	Elective	3
	◆ CMSC 430 Compiler Theory and Design (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ CMSC 451 Design and Analysis of Computer Algorithms (required for the major)	3UL
	Elective	3
	◆ CMSC 495 Current Trends and Projects in Computer Science (required capstone for the major)	3UL
	Elective	2
TOTAL CREDITS REMAINING AT UMGC		59
NOTES: Minimum of 120 credits, including 36 upper-level (courses numbered 300-499) required for bachelor's degree with minimum 2.0 (C) grade point average (GPA) / No course within major or minor below 2.0 GPA / At least one-half of credits within major and minor comprised of: a. upper-level; b. UMGC resident; c. traditional college courses earning a grade / 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) / WR TG 112 completed with grade of 1.67 GPA (C-) or better / ◆ = Denotes course in major at UMGC / * = Denotes lower-level course meets content requirement of upper-level course but does not transfer as upper-level / UL = Denotes upper-level course		