



**AACC ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE  
COMPUTER SCIENCE TRANSFER**

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
4	MAT 191 Program & Gen Ed requirement	MATH 140 (Gen Ed Mathematics; related requirement to the major)
3	ENG 101 or ENG 101A Gen Ed requirement	WRTG 111 (Gen Ed Communications)
3	Arts & Humanities Gen Ed requirement (not COM)	Gen Ed Arts & Humanities
3	Social & Behavioral Science Gen Ed requirement (not HIS)	Gen Ed Behavioral & Social Science
4	CTP 115 Program requirement	CMIS 102 (Gen Ed Computing; related requirement to the major)
4	MAT 192 Program requirement	MATH 141 (elective; related requirement to the major)
3	ENG 102 Gen Ed requirement	WRTG 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 Lab Science
4	CTP 150 Program requirement	◆ CMIS 141 (required for the major)
4	CTP 250 Program requirement	◆ CMIS 242 (required for the major)
4	MAT 202 Program requirement	MATH 240 (Gen Ed Communications to honor Gen Ed block)
3	Arts & Humanities Gen Ed req (different discipline; not COM)	Gen Ed Arts & Humanities
4	Biological & Physical Lab Sciences Gen Ed requirement	Gen Ed Biological & Physical Science
3	MAT 250 Program requirement	CMSC 150 (elective; related requirement to the major)
3	HEA 111 recom'd Wellness Gen Ed requirement	HLTH 140 (elective)
3	Social & Behavioral Sciences Gen Ed req (diff. disp.; not HIS)	Gen Ed Behavioral & Social Science
3	CTP 160 recom'd Program elective	◆ SDEV 300* (required for the major)
1	Elective	Elective
<b>60</b>	<b>Total Credits Transferred</b>	

**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 MAT 202 from AACC)	---
PACE 111T Program and Career Exploration in Technology or other PACE 111	3
◆ 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
WRTG 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	3
◆ CMIS 320 Relational Database Concepts and Applications (required for the major)	3UL
Elective (must be taken upper-level)	3UL
◆ CMSC 430 Compiler Theory and Design (required for the major)	3UL
Elective	3
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	3
<b>TOTAL CREDITS REMAINING AT UMGC</b>	<b>60</b>

**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) / WRTG 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