BCCC ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE

See community college advisor for course sequencing. Degree requirements may change based on the date of initial enrollment at UMGC.

UNIVERSITY OF MARYLAND GLOBAL CAMPUS

CATALOG YEAR: 2022-2023

UMGC BACHELOR OF SCIENCE IN COMPUTER SCIENCE

https://www.umgc.edu/transfers-and-credits/community-college-alliances/national-community-college-alliances.cfm

CREDITS	BUCKS COUNTY COMMUNITY COLLEGE Requirements for Associate's Degree		UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	CISC 110 Program requirement		IFSM 201 (elective)
4	CISC 115 Program requirement		◆ CMIS 141 (required for the major)
1	COLL 101 Program requirement		Elective
3	COMP 110 Program requirement		WRTG elective (Gen Ed Communications)
4	MATH 140 Program requirement		MATH 140 (Gen Ed Mathematics; related requirement to the major)
3	CISC 113 Program requirement		CMST 306* (Gen Ed Computing; related requirement to the major)
4	CISC 122 Program requirement		◆ CMIS 242 (required for the major)
3	COMP 111 Program requirement		WRTG 112 (Gen Ed Communications; *must be completed with C- or better*)
4	MATH 141 Program requirement		MATH 141 (related requirement to the major)
4	CISC 213 Program requirement		◆ CMSC 350* (required for the major)
3	Computer Science elective		Elective
3	MATH 121 Program requirement		◆ CMSC 150 (required for the major)
4	Science elective		Gen Ed Biological & Physical Lab Science
3	Social Sciences Program requirement (not MUSC)		Gen Ed Behavioral & Social Science
3	CISC 215 Program requirement		◆ CMIS 320* (required for the major)
3	COMM 110 Program requirement		SPCH 101 (Gen Ed Communications)
3	Computer Science elective		Elective
4	Science elective		Gen Ed Biological & Physical Science
3	Arts/Humanities Program requirement		Gen Ed Arts & Humanities
62	**Total Credits Transferred**		

REMAINING UMGC DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE	
LIBS 150 or other Gen Ed course (will be fulfilled by 1 credit of CISC 115 from BCCC)	---
PACE 111T Program and Career Exploration in Technology or other PACE 111	3
HIST 125 Technological Transformations or other Gen Ed Arts & Humanities	3
ECON 103 Economics in the Information Age or other Gen Ed Behavioral & Social Science	3
Elective	3
◆ CMIS 310 Computer Systems and Architecture (required for the major)	3UL
Elective	3
◆ SDEV 300 Building Secure Python Applications (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 (must be taken upper-level)	3UL
◆ CMIS 330 Software Engineering Principles and Techniques (required for the major)	3UL
Elective (must be taken upper-level)	3UL
◆ 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	1
TOTAL CREDITS REMAINING AT UMGC	**58**

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