CECIL COLLEGE
Own Your Future

UNIVERSITY OF MARYLAND GLOBAL CAMPUS

CECIL COLLEGE ASSOCIATE OF APPLIED SCIENCE IN COMPUTER SCIENCE – PROGRAMMING

UMGC BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Students transferring from Cecil College 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.

UMGC Maryland Community College Alliances
Degree requirements may change based on date of initial enrollment at UMGC.

CREDITS	CECIL COLLEGE Requirements for Associate's Degree	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	CSC 103 Program requirement	CMIT 202 (elective)
3	CSC 104 Program requirement	CMSC elective
3	CSC 106 Program requirement	CMSC 105 (Gen Ed Computing; related requirement to the major)
3	EGL 101 Gen Ed requirement	WRTG 112 (Gen Ed Communications; *must be completed with 'C-' or better*)
4	MAT 191 recom'd Gen Ed elective	MATH 115 (elective; prerequisite to MATH 140)
3	CSC 109 Program requirement	CMSC elective
3	CSC 140 Program requirement	♦ CMIT 265 (required for the major)
3	CSC 205 Program requirement	♦ CMSC 115 (required for the major)
3	EGL 211 Program requirement	WRTG 293 (Gen Ed Communications)
4	Science w/ Lab Gen Ed elective	Gen Ed Biological & Physical Lab Science
3	VCP 144 Program requirement	CMST 385* (elective)
4	CSC 218 recom'd Program elective	♦ CMSC 215 (required for the major)
3	Program elective	Elective
3	Program elective	Elective
3	SOC 101 or SOC 105 or GEO 102 Social Science Gen Ed	SOCY 100 or BEHS 220 or GEOG 202 (Gen Ed Behavioral & Social Sci)
3	CSC 182 Program requirement	CMST 388* (elective)
1	CSC 203 Program requirement	CMSC elective
3	CSC 110 Program requirement	IFSM 304* (elective)
3	SPH 121 or SPH 141 Gen Ed requirement	SPCH 125 or SPCH 100 (Gen Ed Communications)
3	Program elective	Elective
61	**Total Credits Transferred**	**Total Credits Transferred**

REMAINING REQUIREMENTS FOR BACHELOR'S DEGREE	CREDITS
LIBS 150 Introduction to Research or other Gen Ed credit (to be fulfilled with 1 Gen Ed credit from Cecil College)	---
PACE 111T Program and Career Exploration in Technology or other PACE 111	3
NUTR 100 Elements of Nutrition or other Gen Ed Biological & Physical Science	3
MATH 140 Calculus I (Gen Ed Mathematics; related requirement to the major)	4
HIST 125 Technological Transformations or other Gen Ed Arts & Humanities	3
BEHS 103 Technology in Contemporary Society or other Gen Ed Behavioral & Social Science	3
ARTH 334 Understanding Movies or other upper-level Gen Ed Arts & Humanities	3UL
CMSC 150 Introduction to Discrete Structures (elective; related requirement to the major)	3
♦ CMSC 310 Computer Systems and Architecture (required for the major)	3UL
MATH 141 Calculus II (elective; related requirement to the major)	4
♦ CMSC 315 Data Structures and Analysis (required for the major)	3UL
♦ CMSC 320 Relational Database Concepts and Applications (required for the major)	3UL
♦ 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
♦ CMSC 345 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
♦ CMSC 451 Design and Analysis of Computer Algorithms (required for the major)	3UL
♦ CMSC 495 Computer Science Capstone (required for the major)	3UL
TOTAL CREDITS REMAINING AT UMGC	**59**

NOTES: Minimum of 120 credits, including 36 upper-level required for bachelor's degree with minimum 2.0 ('C') grade point average (GPA) / Minimum of 30 UMGC resident credits of which at least 15 must be upper-level / 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 / 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 / ♦¹ = Course in major at UMGC / ⁎² = Lower-level course meets content requirement of upper-level course but does not transfer as upper-level / **UL**³ = Upper-level course (numbered 300-499)

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¹ ♦ Course in major at UMGC
² * Lower-level course meets content requirement of upper-level course but does not transfer as upper-level
³ UL Upper-level course (numbered 300-499)

3501 University Boulevard East, Adelphi, MD 20783 USA | 800-888-8682 | umgc.edu