



**ALLEGANY COLLEGE OF MD ASSOCIATE OF APPLIED SCIENCE IN COMPUTER TECHNOLOGY – PROGRAMMING CONCENTRATION**

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



**UNIVERSITY OF MARYLAND GLOBAL CAMPUS**

**CATALOG YEAR: 2020-2021**

**UMGC BACHELOR OF SCIENCE IN SOFTWARE DEVELOPMENT AND SECURITY**

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

CREDITS	ALLEGANY COLLEGE OF MARYLAND Requirements for Associate Degree	CREDITS	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	COMP 101 Computer Literacy		IFSM 201 (elective)
4	COMP 103 Computer Logic		CMIS 102 (related requirement for major; Gen Ed Computing)
3	COMP 107 Introduction to Cybersecurity		CSIA elective
3	ENG 101 Freshman English I		WRTG 112 ( <i>must be completed with grade of C- or better</i> )
3	Mathematics Elective (recommend Mathematics 102)		MATH 107 (Gen Ed Mathematics)
3	COMP 191 Web Page Development		CMIS 385* (elective)
3	COMP 221 Office Applications I		CMST 103 (elective)
3	COMP 233 Introduction to Programming		CMIS Programming elective
3	ENG 112 Business & Technical Communications		WRTG 293 (Gen Ed Communications)
3	Social and Behavioral Science elective		Gen Ed Behavioral/Social Science
2	BUAD 110 Business Professionalism & Ethics		BMGT elective
3	COMP 114 Mobile Application Development		CMSC elective
4	COMP 234 Computer Science Programming I		◆ CMIS 141 (required for the major)
4	Laboratory Science Elective		Gen Ed Biological/Physical Lab Science
3	COMP 225 Introduction to Networking		CMIT 265 (elective)
3	COMP 229 Database Design & Implementation		◆ CMIS 320* (required for the major)
3	COMP 236 Web Programming		CMST elective
4	COMP 238 Computer Science Programming II		◆ CMIS 242 (required for the major)
3	SPCH 101 Speech Communication		SPCH 100 (Gen Ed Communications)
<b>60</b>	<b>Total Credits Transferred</b>		
<b>REMAINING UMGC DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE DEGREE</b>			
	LIBS 150, CAPL 398A, or other GenEd course (to be fulfilled with 1 credit of COMP 103 from Allegany College of MD)		--
	PACE 111T or other PACE 111 course		3
	NUTR 100 or other Gen Ed Biological/Physical Science		3
	HIST 125 or other Gen Ed Arts and Humanities		3
	BEHS 103, ECON 103, or other Gen Ed Behavioral/Social Science		3
	ARTH 334 or other Gen Ed Arts and Humanities		3
	◆ SDEV 300 (required for the major)		3UL
	◆ SDEV 325 (required for the major)		3UL
	◆ SDEV 350 (required for the major)		3UL
	WRTG 393 or other upper-level writing (Gen Ed Communications)		3UL
	Elective		3
	◆ SDEV 360 (required for the major)		3UL
	Elective (upper-level only)		3UL
	◆ SDEV 400 (required for the major)		3UL
	Elective (upper-level only)		3UL
	Elective		3
	◆ SDEV 425 (required for the major)		3UL
	Elective (upper-level only)		3UL
	◆ SDEV 460 (required for the major)		3UL
	Elective		3
	◆ CMSC 495 (required capstone for the major)		3UL
<b>TOTAL CREDITS REMAINING AT UMGC</b>			<b>60</b>

**NOTES:** Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework. Complete in last 60 credits along with major and minor courses.

<sup>A</sup>A maximum of 70 credits may transfer to UMGC from a 2 year or community college.

\* course meets content requirement but not upper-level minimum ◆ course in major at UMGC

UL – UL stands for upper-level junior/senior courses (300- or 400- level) & denotes the minimum upper-level credit that must be taken at UMGC for graduation

Courses placed in the ELECTIVES/MINOR section may meet degree requirements depending on which course the student takes from the list of courses offered for the associate's degree. Any credit applied to the associate degree must also meet UMGC's transfer credit policy