

**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.



**UMGC BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

<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 (Gen Ed Computing)
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 (prerequisite to MATH 108; elective)
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
0	BUAD 110 Business Professionalism & Ethics		No room in the degree plan for this course
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* (elective)
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>58</b>	<b>Total Credits Transferred</b>		

**REMAINING UMGC DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE DEGREE**

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
MATH 108 (prerequisite to MATH 140; elective)	3
MATH 140 (related requirement for major; Gen Ed Math)	4
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 upper-level Gen Ed Arts and Humanities	3UL
CMSC 150 (related requirement for major; elective)	3
◆ CMIS 310 (required for the major)	3UL
MATH 141 (related requirement for major; elective)	4
◆ SDEV 300 (required for the major)	3UL
◆ CMSC 350 (required for the major)	3UL
◆ CMSC 330 (required for the major)	3UL
WRTG 393 or other upper-level writing (Gen Ed Communications)	3UL
◆ CMSC 335 (required for the major)	3UL
◆ CMSC 430 (required for the major)	3UL
◆ CMSC 451 (required for the major)	3UL
◆ CMSC 412 (required for the major)	3UL
◆ CMSC 405 (required for the major)	3UL
◆ CMSC 495 (required capstone for the major)	3UL
<b>TOTAL CREDITS REMAINING AT UMGC</b>	<b>62</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>^</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