

Student Name:

Date:

HARFORD COMMUNITY COLLEGE
AAS IN INFORMATION ASSURANCE AND CYBERSECURITY
TO UNIVERSITY OF MARYLAND GLOBAL CAMPUS
BS IN COMPUTER NETWORKS AND CYBERSECURITY
TRANSFER GUIDE

CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.

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| <ul style="list-style-type: none"> <input type="checkbox"/> 30 credits at UMGC, including at least half of the major and minor and 15 upper level credits. <input type="checkbox"/> 45 upper-level credits, including half the credit for the major and for the minor. <input type="checkbox"/> All required courses and minimum number of credits for major and minor. <input type="checkbox"/> Prerequisites for major and minor courses, if needed. | <ul style="list-style-type: none"> <input type="checkbox"/> All General Education Requirements. <input type="checkbox"/> Grade of C- or better in WRTG 112 <input type="checkbox"/> Grade of C or better in all courses for the major and minor. <input type="checkbox"/> Overall GPA of at least 2.0. <input type="checkbox"/> At least half the credit for the major earned through graded coursework. <input type="checkbox"/> Total 120 credits. |
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UMGC DEGREE REQUIREMENTS	HARFORD COURSES	UMGC EQUIVALENCY	CREDITS FROM HCC	CREDITS NEEDED AT UMGC
COMMUNICATIONS		Credits:		3
				9
WRTG 112 (3) <i>Required GenEd course. Must be completed with a grade of C- or better</i>	ENG 101(GE)	WRTG 112	3	
WRTG 111 (3) <i>Or other 3-credit WRTG course except 288, 388, 486A, 486B. COMM 390 and 492, ENGL 102 and JOUR 201 apply</i>				3
SPCH 100 (3) <i>Or other communication, writing, or speech GenEd course</i>				3
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>				3UL
ARTS AND HUMANITIES		Credits:		3
				3
HIST 125 (3) <i>Or other arts/humanities GenEd course</i>	PHIL 221 (GH)	BMGT 496*	3	
HUMN 344 (3) <i>Or other upper-level arts/humanities GenEd course</i>				3UL
BEHAVIORAL AND SOCIAL SCIENCES		Credits:		3
				3
ECON 103 (3) <i>Or other behavioral/social science GenEd course</i>	Behavioral/ Social Science Elective (GB) and (D)	Behavioral & Social Sciences	3	
GVPT 403 (3) <i>Or other upper-level behavioral/social science GenEd course</i>				3UL
BIOLOGICAL AND PHYSICAL SCIENCES		Credits:		4
				3
BIOL 101/102 or NSCI 100/101 (4) <i>Or other biological/physical science GenEd course with related lab</i>	Biological/ Physical Lab Science Elective (GL)	Lab Science	4	
GEOL 100 (3) <i>Or other 3-credit biological/physical science GenEd course</i>				3
MATHEMATICS		Credits:		3
				0
MATH 107 (3) <i>or other approved math GenEd course (MATH 105, MATH 107, STAT 200, or more advanced MATH or STAT)</i>	MATH 101 or 111 (GM) Recom'd Math Elective	MATH 107 or MATH 106	3	
INTERDISCIPLINARY OR EMERGING ISSUES		Credits:		4
				3
LIBS 150 or CAPL 398A (1) <i>Or other GenEd elective</i>	ISS 105	CSIA	1	
PACE 111T (3) <i>Or other PACE 111 course chosen from 111B, 111C, 111M, 111P, 111S, or 111T</i>				3
IFSM 201 (3) <i>Technology GenEd course and prerequisite to major courses</i>	CIS 102 (GI)	IFSM 201	3	

Legend/Notes

◆ *required course for the major or minor*

* *course meets content requirement but not upper-level minimum*

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 degree. Any credit applied to the associate degree must also meet UMGC's transfer credit policy.

UMGC DEGREE REQUIREMENTS	HARFORD COURSES	UMGC EQUIVALENCY	CREDITS FROM HCC	CREDITS NEEDED AT UMGC
COMPUTER NETWORKS AND CYBERSECURITY MAJOR (33 cr.)	Credits:		10	12
◆ CMIT 202 Fundamentals of Computer Troubleshooting (3)				3
◆ CMIT 265 Fundamentals of Networking (3)	CIS 135	CMIT 265	3	
◆ CMIT 320 Network Security (3)	CIS 210	CMIT 320*	3	
◆ CMIT 321 Ethical Hacking (3)				3UL
◆ CMIT 350 Interconnecting Cisco Devices (3)	ISS 214	CMIT 350*	4	
◆ CMIT 369 Windows Server: Install and Storage (3)				3UL
◆ CMIT 391 Linux System Administration (3)				3UL
◆ Any upper-level CMIT or CCJS 321 (9 credits) Recommended Areas of Study	Credits:		0	9
Microsoft CMIT 370 Administering Windows Server CMIT 371 Configuring Advanced Windows Server Services CMIT 372 Designing and Implementing a Server Infrastructure CMIT 373 Implementing an Advanced Server Infrastructure				3UL
Cisco CMIT 451 Implementing Cisco IP Routing CMIT 452 Implementing Cisco IP Switched Networks CMIT 453 Troubleshooting and Maintaining Cisco IP Networks CMIT 454 Cisco CNNA Security				3UL
Network Security CMIT 370 Administering Windows Server CMIT 451 Implementing Cisco IP Routing CMIT 425 Advanced Information Systems Security				3UL
Digital Forensics CCJS 321 Digital Forensics in the Criminal Justice System CMIT 424 Digital Forensics Analysis and Application CMIT 440 Mobile Forensics CMIT 460 Network Forensics				3UL
CAPSTONE COURSE FOR MAJOR	Credits:		0	3
◆ CMIT 495 Current Trends and Projects in Computer Networks and Security (3) <i>Required capstone course for major</i>	MUST BE TAKEN AT UMGC			3UL
ELECTIVES/MINOR	Credits:		30	15
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. Recommended: MATH 140 Calculus I and IFSM 301 A student's catalog year may change based on the date of enrollment/registration with UMGC. Please check with an advisor when ready to apply with UMGC.	ISS 105	CSIA	2	
	CIS 104	CMSC	3	
	CIS 211	CMIT	3	
	ISS 111	CMIT	4	
	ISS 112	CMIT	4	
	ISS 213	CMIT	4	
	ISS 220	CMIT	3	
	Physical Education	Elective	1	
	ISS 221	CMIT	3	
	ISS 222	CCJS 321*	3	
Upper-Level Electives at UMGC				15UL
Any Electives at UMGC				
Total Minimum Credits Needed for Graduation: 120	Total Credits:		60	60