



**MONTGOMERY COLLEGE
AAS IN NETWORK & WIRELESS TECHNOLOGIES
TO UNIVERSITY OF MARYLAND UNIVERSITY COLLEGE
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 UMUC, 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 <u>and</u> 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 all courses for the major and minor. <input type="checkbox"/> Grade of C- or better for WRTG 101 <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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UMUC DEGREE REQUIREMENTS	MC COURSES	UMUC EQUIVALENCY	CREDITS FROM MC	CREDITS NEEDED AT UMUC
		Credits:	9	3
COMMUNICATIONS				
WRTG 101 (3)	ENGL 102 or ENGL 103	WRTG 101	3	
WRTG 100A (3) <i>Or other 3-credit WRTG course except 288, 388, 486A, 486B. COMM 390, 492, ENGL 102 and JOUR 201 apply</i>	ENGL 101	WRTG	3	
COMM 202 (3) <i>Or other communication, writing, or speech</i>	COMM 108 or 112	SPCH 100 or SPCH	3	
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>				3UL
		Credits:	3	3
ARTS AND HUMANITIES				
HUMN 100 (3) <i>Or other arts/humanities</i>	Arts or Humanities Distribution	Arts & Humanities	3	
HIST 125 (3) <i>Or other arts/humanities</i>				3
		Credits:	3	3
BEHAVIORAL AND SOCIAL SCIENCES				
ECON 103 (3) <i>Or other behavioral/social science</i>	Behavioral & Social Sciences Distribution	Behavioral & Social Sciences	3	
BEHS 103 (3) <i>Or other behavioral/social science</i>				3
		Credits:	4	3
BIOLOGICAL AND PHYSICAL SCIENCES				
BIOL 103 (4) <i>Or other biological/physical science with related lab</i>	Natural Sciences Distribution with Lab	Lab Science	4	
NSCI 100 (3) <i>Or other upper-level 3-credit biological/physical science</i>				3
		Credits:	3	0
MATHEMATICS				
MATH 106 (3) <i>or other approved math GenEd course (MATH 106, MATH 107, STAT 200, or more advanced MATH or STAT)</i>	MATH 110 Recom'd Mathematics Foundation	MATH 106	3	
		Credits:	6	1
INTERDISCIPLINARY OR EMERGING ISSUES				
LIBS 150 (1)				1
IFSM 201 (3) <i>Prerequisite to major course</i>	CMSC 110 Recom'd NWIT or CMSC Elective	IFSM 201	3	
CMIS 111 (3) <i>Or another computing course appropriate to the academic major</i>	NWIT 101	CMIT	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 and denotes the minimum upper-level credit that must be taken at UMUC for graduation
- ^ only 21 credits of vocational technical are permitted for transfer at UMUC

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's degree must also meet UMUC's transfer credit policy.

UMUC DEGREE REQUIREMENTS				MC COURSES	UMUC EQUIVALENCY	CREDITS FROM MC	CREDITS NEEDED AT UMUC
COMPUTER NETWORKS AND CYBERSECURITY MAJOR				Credits:		16	3
◆ CMIT 202 Fundamentals of Computer Troubleshooting (3)				NWIT 127	CMIT 202	3	
◆ CMIT 265 Fundamentals of Networking (3)				NWIT 151	CMIT 265	3	
◆ CMIT 320 Network Security (3)				NWIT 173	CMIT 320*	3	
◆ CMIT 350 Interconnecting Cisco Devices (3)							3UL
◆ CMIT 369 Installing and Configuring Windows Server (3)				NWIT 203	CMIT 369*	3	
◆ CMIT 391 Linux System Administration (3)				CMSC 253	CMIT 391*	4	
12 credits from CCJS 321 or any CMIT (a min of 9 credits must be upper-level) Recommended Areas of Focused Study							
MICROSOFT	CISCO	NETWORK SECURITY	DIGITAL FORENSICS	Credits:		3	9
◆ CMIT 370 Administering Windows Server (3)	◆ CMIT 451 Implementing Cisco IP Routing (3)	◆ CMIT 321 Ethical Hacking (3)	◆ CCJS 321 Digital Forensics in the Criminal Justice System (3)				3UL
◆ CMIT 371 Configuring Advanced Windows Server Services (3)	◆ CMIT 452 Implementing Cisco IP Switched Networks (3)	◆ CMIT 370 Administering Windows Server (3)	◆ CMIT 424 Digital Forensics Analysis and Application (3)				3UL
◆ CMIT 372 Designing and Implementing a Server Infrastructure (3)	◆ CMIT 453 Troubleshooting and Maintaining Cisco IP Networks (3)	◆ CMIT 451 Implementing Cisco IP Routing (3)	◆ CMIT 440 Mobile Forensics (3)				3UL
◆ CMIT 373 Implementing an Advanced Server Infrastructure (3)	◆ CMIT 454 Cisco CNNA Security (3)	◆ CMIT 425 Advanced Information Systems Security (3)	◆ CMIT 460 Network Forensics (3)				3UL
CAPSTONE COURSE FOR MAJOR				Credits:		0	3
◆ CMIT 495 Current Trends & Projects in Computer Networks & Security (3)				MUST BE TAKEN AT UMUC			3UL
ELECTIVES/MINOR				Credits:		16	29
Choose any electives to meet degree requirements. Note minimum requirements for upper-level coursework. See requirements of individual minor. Recommended minors: Cybersecurity, Information Systems Management, Business Administration Recommended: IFSM 301 and MATH 140 (for those continuing to graduate school. Note prerequisite of MATH 108 or MATH 115)				NWIT 105	SDEV	3	
				NWIT 130	CMIT	3	
				NWIT 170	CMIT	3	
				NWIT 204	CMIT	4	
				NWIT 264	CMIT 460*	3	
Upper-Level Electives at UMUC							24UL
Any Electives at UMUC							5
Total Minimum Credits Needed for Graduation: 120				Total Credits:		60	60