University of Maryland University College

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.

❑ 30 credits at UMUC, including at least half of the major and minor and 15 upper- level credits.	❑ All General Education Requirements.
❑ 45 upper-level credits, including half the credit for the major and for the minor.	❑ Grade of C or better in all courses for the major and minor.
	❑ Overall GPA of at least 2.0.
❑ All required courses and minimum number of credits for major and minor.	❑ At least half the credit for the major earned through graded coursework. Total 120 credits.
❑ Prerequisites for major and minor courses, if needed.	

UMUC DEGREE REQUIREMENTS	MC COURSES	UMUC EQUIVALENCY	CREDITS FROM MC	CREDITS NEEDED AT UMUC
COMMUNICATIONS		**Credits:**	**9**	**3**
WRTG 101 or WRTG 101S Introduction to Writing (3)	ENGL 102 or ENGL 103	WRTG 101 or 293	3	
WRTG 293 (3) *Or other 3-credit WRTG course except 288, 388, 486A, 486B. ENGL 102 and JOUR 201 apply*	ENGL 101	WRTG	3	
COMM 202 (3) *Or other communication, writing, or speech*	COMM 108 or 112	SPCH 100 or SPCH	3	
WRTG 393 (3) *Or other upper-level advanced writing GenEd course*				3UL
ARTS AND HUMANITIES		**Credits:**	**3**	**3**
HUMN 100 (3) *Or other arts/humanities*	Arts or Humanities Distribution	Arts & Humanities	3	
HIST 365 (3) *Or any upper-level ARTH or HIST from a 2nd discipline*				3UL
BEHAVIORAL AND SOCIAL SCIENCES		**Credits:**	**3**	**3**
ECON 103 (3) *Or other first behavioral/social science*	Behavioral & Social Sciences Distribution	Behavioral & Social Sciences	3	
BEHS 103 (3) *Or other behavioral/social science from a 2nd discipline*				3
BIOLOGICAL AND PHYSICAL SCIENCES		**Credits:**	**4**	**3**
BIOL 103 (4) *Or other biological/physical science with related lab*	Natural Sciences Distribution with Lab	Lab Science	4	
NSCI 100 (3) *Or other 3-credit biological/physical science*				3
MATHEMATICS		**Credits:**	**3**	**0**
MATH 106 *or higher-level math course* (3)	MATH 110 Recom'd Mathematics Foundation	MATH 106	3	
INTERDISCIPLINARY OR EMERGING ISSUES		**Credits:**	**3**	**4**
LIBS 150 Introduction to Research (1)				1
IFSM 201 Concepts & Applications of Information Technology (3) *Prerequisite to later course*				3
CMIS 111 Social Networking and Cybersecurity Best Practices (3) *Or another computing course appropriate to the academic major*	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:**	**12**	**6**
◆ CMIT 202 Fundamentals of Computer Troubleshooting (3)							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)				NWIT 254 Recom'd NWIT Elective	CMIT 350*	3	
◆ CMIT 369 Installing and Configuring Windows Server (3)				NWIT 203	CMIT 369*	3	
◆ CMIT 391 Linux System Administration (3)							3UL
12 credits from CCJS 321 or any CMIT (a min of 9 credits must be upper-level) Recommended Areas of Focused Study					**Credits:**	**3**	**9**
MICROSOFT	**CISCO**	**NETWORK SECURITY**	**DIGITAL FORENSICS**				
◆ CMIT 370 Administering Windows Server (3)	◆ CMIT 450 Designing Cisco Networks (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 451 Implementing Cisco IP Routing (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 452 Implementing Cisco IP Switched Networks (3)	◆ CMIT 451 Implementing Cisco IP Routing (3)	◆ CMIT 440 Mobile Forensics (3)				3UL
◆ CMIT 373 Implementing an Advanced Server Infrastructure (3)	◆ CMIT 453 Troubleshooting and Maintaining Cisco IP Networks (3)	◆ CMIT 425 Advanced Information Systems Security (3)	◆ CMIT 460 Network Forensics (3)	NWIT 264	CMIT 460*	3	
CAPSTONE COURSE FOR MAJOR					**Credits:**	**0**	**3**
◆ CMIT 495 Current Trends & Projects in Computer Networking & Security (3)				**MUST BE TAKEN AT UMUC**			3UL
ELECTIVES/MINOR					**Credits:**	**20**	**26**
Choose any electives to meet degree requirements. Note minimum requirements for upper-level coursework.				NWIT 127	CMIT	3	
				NWIT 130	CMIT	3	
See requirements of individual minor.				NWIT 170	CMIT	3	
Recommended minors: Cybersecurity, Information Systems Management, Business Administration				CMSC 253	CMIT	4	
				Health Foundation	Elective	1	
Recommended: IFSM 301 and MATH 140 (for those continuing to graduate school. Note prerequisite of MATH 108 or MATH 115)				NWIT or CMSC Elective	Electives	6	
Upper-Level Electives at UMUC							24UL
Any Electives at UMUC							2
Total Minimum Credits Needed for Graduation: 120				**Total Credits:**		**60**	**60**