

**MONTGOMERY COLLEGE  
AAS IN CYBERSECURITY  
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"> <li><input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 upper level credits.</li> <li><input type="checkbox"/> 45 upper-level credits, including half the credit for the major and for the minor.</li> <li><input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.</li> <li><input type="checkbox"/> Prerequisites for major and minor courses, if needed.</li> <li><input type="checkbox"/> All General Education Requirements.</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Grade of C- or better in WRTG 112</li> <li><input type="checkbox"/> Grade of C or better in all courses for the major and minor.</li> <li><input type="checkbox"/> Overall GPA of at least 2.0.</li> <li><input type="checkbox"/> At least half the credit for the major earned through graded coursework.</li> <li><input type="checkbox"/> Total 120 credits.</li> </ul> |
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UMUC DEGREE REQUIREMENTS	MC COURSES	UMUC EQUIVALENCY	CREDITS FROM MC	CREDITS NEEDED AT UMUC
<b>COMMUNICATIONS</b>	<b>Credits:</b>		<b>9</b>	<b>3</b>
WRTG 112 (3) <i>Required GenEd course. Must be completed with a grade of C- or better</i>	ENGL 102 or ENGL 103	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>	ENGL 101	WRTG	3	
SPCH 100 (3) <i>Or other communication, writing, or speech GenEd course</i>	Speech Distribution	Communication or Speech	3	
WRTG 393 (3) <i>or other UL advanced writing (WRTG 391 or WRTG 394)</i>				3UL
<b>ARTS AND HUMANITIES</b>	<b>Credits:</b>		<b>6</b>	<b>0</b>
HIST 125 (3) <i>Or other arts/humanities GenEd course</i>	PHIL 140	PHIL 140	3	
HUMN 100 (3) <i>Or other arts/humanities GenEd course</i>	Arts or Humanities Distribution	Arts & Humanities	3	
<b>BEHAVIORAL AND SOCIAL SCIENCES</b>	<b>Credits:</b>		<b>3</b>	<b>3</b>
ECON 103 (3) <i>Or other behavioral/social science GenEd course</i>	Behavioral & Social Sciences Distribution	Behavioral & Social Science	3	
BEHS 103 (3) <i>Or other behavioral/social science GenEd course</i>				3
<b>BIOLOGICAL AND PHYSICAL SCIENCES</b>	<b>Credits:</b>		<b>4</b>	<b>3</b>
BIOL 101/102 or NSCI 100/101 (4) <i>Or other biological/physical science GenEd course with related lab</i>	Natural Sciences Distribution with Lab	Lab Science	4	
GEOL 100 (3) <i>Or other 3-credit biological/physical science GenEd course</i>				3
<b>MATHEMATICS</b>	<b>Credits:</b>		<b>3</b>	<b>0</b>
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	
<b>INTERDISCIPLINARY OR EMERGING ISSUES</b>	<b>Credits:</b>		<b>3</b>	<b>4</b>
LIBS 150 (1) <i>GenEd course</i>				1
IFSM 201 (3) <i>First computing GenEd course</i>	CMSC 110	IFSM 201	3	
CMIS 111 (3) <i>Or other second computing GenEd course</i>				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 UMUC 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's degree must also meet UMUC's transfer credit policy.*

UMUC DEGREE REQUIREMENTS				MC COURSES	UMUC EQUIVALENCY	CREDITS FROM MC	CREDITS NEEDED AT UMUC
<b>COMPUTER NETWORKS AND CYBERSECURITY MAJOR (33 cr.)</b>				<b>Credits:</b>		<b>16</b>	<b>3</b>
◆ 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 Windows Server: Install and Storage (3)				NWIT 203	CMIT 369*	3	
◆ CMIT 391 Linux System Administration (3)				CMSC 253	CMIT 391*	4	
<b>9 upper-level credits chosen from CCJS 321 or any Upper-Level CMIT</b> <b>3 any-level credits chosen from any CMIT or CCJS 321</b> <b>Recommended Areas of Focused Study</b>				<b>Credits:</b>		<b>0</b>	<b>12</b>
<b>MICROSOFT</b>	<b>CISCO</b>	<b>NETWORK SECURITY</b>	<b>DIGITAL FORENSICS</b>				
◆ CMIT 370 Windows Server: Networking (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 Windows Server: Identity (3)	◆ CMIT 452 Implementing Cisco IP Switched Networks (3)	◆ CMIT 370 Windows Server: Networking (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 CCNA Security (3)	◆ CMIT 425 Advanced Information Systems Security (3)	◆ CMIT 460 Network Forensics (3)				3UL
<b>CAPSTONE COURSE FOR MAJOR</b>				<b>Credits:</b>		<b>0</b>	<b>3</b>
◆ CMIT 495 Current Trends & Projects in Computer Networks & Cybersecurity (3)				<b>MUST BE TAKEN AT UMUC</b>			3UL
<b>ELECTIVES/MINOR</b>				<b>Credits:</b>		<b>16</b>	<b>29</b>
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				NWIT 252	CMIT	3	
				Health Foundation	Elective	1	
				NWIT 263	CMIT 424	3	
				NWIT 245	CMIT	3	
				NWIT 246	CMIT 321*	3	
				NWIT 290	CMIT	3	
Upper-Level Electives at UMUC							24UL
Any Electives at UMUC							5
<b>Total Minimum Credits Needed for Graduation: 120</b>				<b>Total Credits:</b>		<b>60</b>	<b>60</b>