UNIVERSITY OF MARYLAND

University College

AAS IN CYBERDEFENSE TO UNIVERSITY OF MARY BS IN COMPUTER NETW TRANS	'LAND UNIVE ORKS AND C FER GUIDE	ON ASSURA RSITY COLI YBERSECUR	LEGE RITY					
CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREM 30 credits at UMUC, including at least half of the major and minor and 15			ments.					
 a bot credits at onlos including at least hall of the high and hind and the upper level credits. 45 upper-level credits, including half the credit for the major and for the minor. All required courses and minimum number of credits for major and minor. Prerequisites for major and minor courses, if needed. All General Education Requirements. 	 Grade of C- or better in WRTG 112 Grade of C or better in all courses for the major and minor. Overall GPA of at least 2.0. At least half the credit for the major earned through graded coursework. Total 120 credits. 							
UMUC DEGREE REQUIREMENTS	CTC COURSES		CREDITS FROM CTC	CREDITS NEEDED AT UMUC				
COMMUNICATIONS	Supervised to the second	Credits:	6	6				
WRTG 112 (3) Required GenEd course. Must be completed with a grade of C- or better				3				
WRTG 111 (3) Or other 3-credit WRTG course except 288, 388, 486A, 486B. COMM 390 and 492, ENGL 102 and JOUR 201 apply	ENGL 1301	WRTG	3					
SPCH 100 (3) Or other communication, writing, or speech GenEd course	SPCH 1321	SPCH	3					
WRTG 393 (3) or other UL advanced writing (WRTG 391 or WRTG 394)				3UL				
ARTS AND HUMANITIES		Credits:	3	3				
HIST 125 (3) Or other arts/humanities GenEd course				3				
HUMN 100 (3) Or other arts/humanities GenEd course	HUMA 1315	ARTT 205	3					
BEHAVIORAL AND SOCIAL SCIENCES		Credits:	3	3				
ECON 103 (3) Or other behavioral/social science GenEd course	PSYC 2301, 2315, or PHIL 1301 ¹ , or SOCI 1301	PSYC 100, 101, PHIL 100, or SOCY 100	3					
GVPT 403 (3) Or other upper-level behavioral/social science GenEd course				3UL				
BIOLOGICAL AND PHYSICAL SCIENCES		Credits:	0	7				
BIOL 101/102 or NSCI 100/101 (4) Or other biological/physical science GenEd course with related lab				4				
NSCI 362 (3) Or other upper-level 3-credit biological/physical science				3UL				
MATHEMATICS		Credits:	3	0				
MATH 106 (3) or other approved math GenEd course (MATH 106, MATH 107, STAT 200, or more advanced MATH or STAT)	MATH 1314	MATH 107	3					
INTERDISCIPLINARY OR EMERGING ISSUES		Credits:	6	1				
LIBS 150 (1) GenEd course				1				
IFSM 201 (3) First computing GenEd course	COSC 1301	IFSM 201	3					
CMIS 111 (3) Or other second computing GenEd course	ITSE 1329	CMIS 102	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.

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¹ If PHIL 1301 is taken at CTC it will place in the Arts & Humanities at UMUC and the student will have fulfilled all the Arts & Humanities and will still need to take both Behavioral & Social Sciences at UMUC

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UMUC DEGREE REQUIREMENTS						CREDITS FROM CTC	CREDITS NEEDED AT UMUC
COMPUTER NETWORKS AND CYBERSECURITY MAJOR (33 cr.)					Credits:	9	6
damentals of Comp	outer Troublesho	ooting (3)					3
 CMIT 265 Fundamentals of Networking (3) 			ITCC 14	414	CMIT 265	3	
♦ CMIT 320 Network Security (3)						3UL	
CMIT 350 Interconnecting Cisco Devices (3)		ITCC 14	140	CMIT 350*	3		
CMIT 369 Windows Server: Install and Storage (3)		ITNW 1	454	CMIT 369*	3		
x System Administ	ration (3)						
9 upper-level credits chosen from CCJS 321 or any Upper-Level CMIT 3 any-level credits chosen from any CMIT or CCJS 321			1				
CISCO	NETWORK	DIGITAL FORENSICS			Credits:	0	12
CMIT 451 Implementing Cisco IP Routing (3)	CMIT 321 Ethical Hacking (3)	CCJS 321 Digital Forensics in the Criminal Justice System (3)					3UL
CMIT 452 Implementing Cisco IP Switched Networks (3)	CMIT 370 Windows Server: Networking (3)	CMIT 424 Digital Forensics Analysis and Application (3)					3UL
CMIT 453 Troubleshooting and Maintaining Cisco IP Networks (3)	CMIT 451 Implementing Cisco IP Routing (3)	CMIT 440 Mobile Forensics (3)					3UL
CMIT 454 Cisco CCNA Security (3)	 CMIT 425 Advanced Information Systems Security (3) 	CMIT 460 Network Forensics (3)					3UL
CAPSTONE COURSE FOR MAJOR		1		Credits:	0	3	
 CMIT 495 Current Trends & Projects in Computer Networks & Cybersecurity (3) 		MUST BE TAKEN AT UMUC				3UL	
OR					Credits:	30	19
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.		ITCC 14	14	CMIT 265	1		
			ITSC 13	16	CMIT	3	
Complete in last 60 credits along with major and minor courses.			ITCC 1440		CMIT 350*	1	
			ITSY 1342		CSIA 303*	3	
Recommended: MATH 140 Calculus I and IFSM 301		ITNW 1316		CMIT	3		
		ITSC 2425		CMIT	4		
			ITSY 2401		CMIT 454*	4	
			ITSY 23	45	CMIT 321*	3	
			ITNW 13	345	CMIT 377*	3	
			and the second sec	1	CMIT 369*	1	
					CSIA or WKPL	4	
ives at LIMUC							18UL
							1001
Any Electives at UMUC Total Minimum Credits Needed for Graduation: 120							1
	Interpretation of the second s	TWORKS AND CYBERSECURITY damentals of Computer Troublesho damentals of Networking (3) vork Security (3) connecting Cisco Devices (3) dows Server: Install and Storage (3) dows Server: Install and Storage (3) redits chosen from CCJS 321 or any Upp work Security (3) connecting Cisco Pevices (3) dows Server: Install and Storage (3) redits chosen from CCJS 321 or any Upp work Security Cisco P Routing (3) C CMIT 451 Implementing Cisco IP Switched Networks (3) C CMIT 451 Implementing Cisco IP Switched Networks (3) C CMIT 452 CMIT 453 Troubleshooting and Maintaining Cisco IP Routing (3) C CMIT 454 Cisco CCMIT 454 Cisco CCNA Security Advanced Information Systems Security (3) RESE FOR MAJOR <td< td=""><td>FWORKS AND CYBERSECURITY MAJOR (33 damentals of Computer Troubleshooting (3) damentals of Networking (3) work Security (3) connecting Cisco Devices (3) dows Server: Install and Storage (3) x System Administration (3) redits chosen from CCJS 321 or any Upper-Level CMIT well credits chosen from any CMIT or CCJS 321 Recommended Areas of Focused Study Implementing Cisco IP Routing (3) + CMIT 451 Implementing Cisco IP Routing (3) + CMIT 452 Implementing Cisco IP Switched Networks (3) + CMIT 453 Troubleshooting and Maintaining Cisco IP Routing (3) + CMIT 453 Troubleshooting and Maintaining Cisco IP Routing (3) + CMIT 454 Cisco CCNA Security (3) + CMIT 454 Cisco CCNA Security (3) + CMIT 454 Cisco CCNA Security (3) RREE FOR MAJOR ent Trends & Projects in Computer Networks & 3) OR wes to meet 120 credits for degree. Note minimum upper-level coursework. AC credits along with major and minor courses. MATH 140 Calculus I and IFSM 301</td><td>Induct DeGREE REQUIREMENTS COURS TWORKS AND CYBERSECURITY MAJOR (33 Implementals of Computer Troubleshooting (3) ITCC 1/- damentals of Networking (3) ITCC 1/- vork Security (3) ITCC 1/- connecting Cisco Devices (3) ITCC 1/- dows Server: Install and Storage (3) ITNW 1/- x System Administration (3) redits chosen from CCUS 321 or any Upper-Level CMIT vold redits chosen from CCUS 321 Recommended Areas of Focused Study Digital PORENSICS • CMIT 451 Implementing Cisco IP • CMIT 321 Enciso IP • CMIT 451 Implementing Cisco IP • CMIT 451 Information (3) • CMIT 452 Networks (3) • CMIT 452 Information (3) • CMIT 452 Information (3) • CMIT 450 Networks (3) • CMIT 451 Information (3) • CMIT 450 Networks (3) • CMIT 426 INT reds & Projects in Comp</td><td>COURSES TWORKS AND CYBERSECURITY MAJOR (33 damentals of Computer Troubleshooting (3) damentals of Networking (3) damentals of Networking (3) connecting Cisco Devices (3) introc 1414 vork Security (3) connecting Cisco Devices (3) introc 1410 introc 1410 introc 1410 introc 1411 introc 1</td><td>MUC DEGREE REQUIREMENTS COURSES EQUIVALENCY CWORKS AND CYBERSECURITY MAJOR (33 Credits: Iamentals of Computer Troubleshooting (3) ITCC 1414 CMIT 265 Jamentals of Networking (3) ITCC 1414 CMIT 265 vork Security (3) ITCC 1440 CMIT 350* connecting Cisco Devices (3) ITCC 1440 CMIT 369* vx System Administration (3) ITCC 1440 CMIT 369* vx System Administration (3) DIGITAL Credits: ecountered Areas of Focured Study DIGITAL Credits: ecount 425 NETWORK DIGITAL Credits: ecount 425 ecount 425 COUNT 425 Credits: ecount 425 ecount 425 Credits: Credits: ecount 425 ecount 425 Credits: Credits: ecount 425 ecount 426 Dipital Forenaics 43</td><td>JNUC DEGREE REQUIREMENTS CIC DUNUSES DUNUSES DUNUSES FROM CTC TWORKS AND CYBERSECURITY MAJOR (33 Credits: 9 Jamentals of Computer Troubleshooting (3) ITCC 1414 CMIT 265 3 Jamentals of Networking (3) ITCC 1414 CMIT 265 3 Jowk Security (3) ITCC 1414 CMIT 369* 3 connecting Cisco Devices (3) ITCC 1440 CMIT 369* 3 ows Server: Install and Storage (3) ITWW 1454 CMIT 369* 3 redita chies more from 30 (MBP-Level CMIT redita chies more from 30 (MBP-Level CMIT 425 more from 30 (MBP-Level CMIT 430 (MBP-Level CMIT</td></td<>	FWORKS AND CYBERSECURITY MAJOR (33 damentals of Computer Troubleshooting (3) damentals of Networking (3) work Security (3) connecting Cisco Devices (3) dows Server: Install and Storage (3) x System Administration (3) redits chosen from CCJS 321 or any Upper-Level CMIT well credits chosen from any CMIT or CCJS 321 Recommended Areas of Focused Study Implementing Cisco IP Routing (3) + CMIT 451 Implementing Cisco IP Routing (3) + CMIT 452 Implementing Cisco IP Switched Networks (3) + CMIT 453 Troubleshooting and Maintaining Cisco IP Routing (3) + CMIT 453 Troubleshooting and Maintaining Cisco IP Routing (3) + CMIT 454 Cisco CCNA Security (3) + CMIT 454 Cisco CCNA Security (3) + CMIT 454 Cisco CCNA Security (3) RREE FOR MAJOR ent Trends & Projects in Computer Networks & 3) OR wes to meet 120 credits for degree. Note minimum upper-level coursework. AC credits along with major and minor courses. MATH 140 Calculus I and IFSM 301	Induct DeGREE REQUIREMENTS COURS TWORKS AND CYBERSECURITY MAJOR (33 Implementals of Computer Troubleshooting (3) ITCC 1/- damentals of Networking (3) ITCC 1/- vork Security (3) ITCC 1/- connecting Cisco Devices (3) ITCC 1/- dows Server: Install and Storage (3) ITNW 1/- x System Administration (3) redits chosen from CCUS 321 or any Upper-Level CMIT vold redits chosen from CCUS 321 Recommended Areas of Focused Study Digital PORENSICS • CMIT 451 Implementing Cisco IP • CMIT 321 Enciso IP • CMIT 451 Implementing Cisco IP • CMIT 451 Information (3) • CMIT 452 Networks (3) • CMIT 452 Information (3) • CMIT 452 Information (3) • CMIT 450 Networks (3) • CMIT 451 Information (3) • CMIT 450 Networks (3) • CMIT 426 INT reds & Projects in Comp	COURSES TWORKS AND CYBERSECURITY MAJOR (33 damentals of Computer Troubleshooting (3) damentals of Networking (3) damentals of Networking (3) connecting Cisco Devices (3) introc 1414 vork Security (3) connecting Cisco Devices (3) introc 1410 introc 1410 introc 1410 introc 1411 introc 1	MUC DEGREE REQUIREMENTS COURSES EQUIVALENCY CWORKS AND CYBERSECURITY MAJOR (33 Credits: Iamentals of Computer Troubleshooting (3) ITCC 1414 CMIT 265 Jamentals of Networking (3) ITCC 1414 CMIT 265 vork Security (3) ITCC 1440 CMIT 350* connecting Cisco Devices (3) ITCC 1440 CMIT 369* vx System Administration (3) ITCC 1440 CMIT 369* vx System Administration (3) DIGITAL Credits: ecountered Areas of Focured Study DIGITAL Credits: ecount 425 NETWORK DIGITAL Credits: ecount 425 ecount 425 COUNT 425 Credits: ecount 425 ecount 425 Credits: Credits: ecount 425 ecount 425 Credits: Credits: ecount 425 ecount 426 Dipital Forenaics 43	JNUC DEGREE REQUIREMENTS CIC DUNUSES DUNUSES DUNUSES FROM CTC TWORKS AND CYBERSECURITY MAJOR (33 Credits: 9 Jamentals of Computer Troubleshooting (3) ITCC 1414 CMIT 265 3 Jamentals of Networking (3) ITCC 1414 CMIT 265 3 Jowk Security (3) ITCC 1414 CMIT 369* 3 connecting Cisco Devices (3) ITCC 1440 CMIT 369* 3 ows Server: Install and Storage (3) ITWW 1454 CMIT 369* 3 redita chies more from 30 (MBP-Level CMIT redita chies more from 30 (MBP-Level CMIT 425 more from 30 (MBP-Level CMIT 430 (MBP-Level CMIT

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