

STUDENT NAME _____ DATE _____

**Cybersecurity A.A.S. at Montgomery College to
B.S. IN COMPUTER NETWORKING AND SECURITY AT UMUC**

This worksheet is designed to help you plan and track your progress toward your degrees. For full course descriptions, please refer to the current undergraduate *Catalog*.

Courses taken at Montgomery College
Changes in recommended courses may affect other elements of the degree plan. Lower level equivalents of UMUC upper level courses fulfill content requirements but not upper-level minimum credit requirements

 UMUC
Equivalent
Course

UMUC GenEd Requirement	GENERAL EDUCATION REQUIREMENTS (GenEd) (25 credits)	
English Writing GenEd	EN 101 Techniques of Reading and Writing I (3) <i>Recommended elective from approved list</i>	
WRTG 101 Writing GenEd	EN 102 or EN 109 (3) <i>English foundation course</i>	WRTG 101
Mathematics GenEd	MA 110 Survey of College Mathematics (3) <i>Or more advanced math. Mathematics foundation course</i>	MATH 106
Speech/writing GenEd	SP 108 or SP 112 (3) <i>Speech foundation course</i>	
First arts and humanities GenEd	AR 107, AR 108, or any HS (3) <i>Recommended arts or humanities distribution course</i>	
First social and behavioral sciences GenEd	Behavioral and social sciences distribution (3)	
Biological and physical science with lab GenEd	Natural sciences distribution with lab (4)	
Second arts and humanities GenEd	PL 202 Introduction to the Study of Ethics (3)	
INTERDISCIPLINARY AND EMERGING ISSUES (4 credits)		
Health foundation course (1)		
CS 110 Computer Concepts (3) <i>First computing GenEd for UMUC</i>		IFSM 201
PROGRAM REQUIREMENTS (31 credits)		
NW 127 Microcomputer Control Programs (3)		
◆ NW 151 Introduction to Networking (3) <i>Required foundation course for major</i>		◆ CMIT 265
◆ NW 173 Network Security (4) <i>Required core course for major</i>		◆ CMIT 320
◆ NW 203 Microsoft Windows Server (3) <i>Required core course for major</i>		◆ CMIT 368
NW 245 Hardening the Infrastructure (3)		
NW 246 Network Defense and Countermeasures (3)		
NW 252 Cisco Networking 2 (3) <i>Second computing GenEd at UMUC</i>		
NW 253 Cisco Networking 3 (3)		
◆ NW 254 Cisco Networking 4 (3) <i>Required core course for major</i>		◆ CMIT 350
NW 270 Information Security Capstone (3)		
Credits transferred: 60 credits		
Note: Up to 70 credits may be transferred from Montgomery College – meet with a UMUC adviser to discuss additional MC credits		

SEQUENCE at UMUC	NOTES
Courses are listed in the order in which students should take them. Changes in courses and order may affect other elements of the degree plan.	

ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (6 credits) If requirement is completed in degree at community college, these credits may be used for electives

Second social and behavioral sciences GenEd	ANTH 344 (3) <i>Or other second behavioral/social science GenEd course from a second discipline</i>	UL
Biological and physical sciences GenEd	BIOL 301 or NSCI 362 (3) <i>Or other 3-credit upper-level biological/physical science</i>	UL

EMERGING ISSUES (1 credits)

LIBS 150 (1) <i>GenEd course</i>	
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ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (21 credits)

◆ CMIT 202 (3) <i>Required foundation course for major</i>	
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>	UL
◆ CMIT 364 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 321 (security specialization) or CMIT 391 (CISCO specialization) or any upper-level CMIT course</i>	UL
◆ CMIT 376 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 331 (security specialization) or CMIT 450 (CISCO specialization) or any upper-level CMIT course</i>	UL
◆ CMIT 377 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 391 (security specialization) or CMIT 499E (CISCO specialization) or any upper-level CMIT course</i>	UL
◆ CMIT 378 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 425 (security specialization) or CMIT 499F (CISCO specialization) or any supplemental course (any CMIT, CMIS, CMSC, CMST, CSIA, IFSM).</i>	UL
◆ CMIT 471 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 424 (security specialization) or CMIT 499G (CISCO specialization) or any supplemental course (any CMIT, CMIS, CMSC, CMST, CSIA, IFSM).</i>	UL

CAPSTONE COURSE FOR MAJOR (3 credits) *To be taken after all other courses for the major*

◆ CMIT 495 (3) <i>Required capstone course for major</i>	UL
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MINOR OR ELECTIVES (15 credits, at least 9 credits upper-level for minor) Complete in last 60 credits along with major courses.

See requirements of individual minor. Note minimum requirements for upper-level coursework.	UL
Recommended minors: computing, English, mathematics	UL
	UL

ADDITIONAL ELECTIVES (14 credits)

Choose any courses to meet 120 credits for degree. Complete in last 60 credits along with major and minor courses.	UL
Recommended: IFSM 304, WRTG 490 and MATH 140 (for those continuing to graduate school. Note prerequisite of MATH 108 or MATH 115)	UL

TOTAL: 120 CREDITS

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

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

NOTES: