University of Maryland University College

STUDENT NAME_____ DATE_____

CYBERSECURITY A.A.S. at Montgomery College to
B.S. IN CYBERSECURITY 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 (GER) (25 credits)**	
English Writing GenEd	EN 101 Techniques of Reading and Writing I (3) *Recommended elective from approved list*	
WRTG 101 Writing GenEd	EN 102 or EN 109 (3) *English foundation course*	WRTG 101
Mathematics GenEd	MA 110 Survey of College Mathematics (3) *Or more advanced math. Mathematics foundation course*	MATH 106
Speech/writing GenEd	SP 108 or SP 112 (3) *Speech foundation course*	
First arts and humanities GenEd	AR 107, AR 108, or any HS (3) *Recommended arts or humanities distribution course*	
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) *First computing GenEd course and prerequisite for required major courses*		IFSM 201
PROGRAM REQUIREMENTS (31 credits)		
NW 127 Microcomputer Control Programs (3)		
◆ NW 151 Introduction to Networking (3) *Required foundation course for major*		◆ CMIT 265
◆ NW 173 Network Security (4) *Core course for major*		◆ CMIT 320
NW 203 Microsoft Windows Server (3)		CMIT 368
NW 245 Hardening the Infrastructure (3)		
NW 246 Network Defense and Countermeasures (3)		
NW 252 Cisco Networking 2 (3)		
NW 253 Cisco Networking 3 (3)		
NW 254 Cisco Networking 4 (3)		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**		

◆ Required courses for UMUC major

SEQUENCE at UMUC *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.*	NOTES

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	CCSJ 100 or CCJS 105 (3) *Second behavioral/social science GenEd course from a second discipline. Prerequisite for supplemental major course*	
Biological and physical sciences GenEd	BIOL 301 or NSCI 362 (3) *Or other 3-credit upper-level biological/physical science*	UL

EMERGING ISSUES (4 credits)

LIBS 150 (1) *GenEd course*	
CMIS 102 (3) *Second computing GenEd and prerequisite for major courses*	

ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (27 credits)

◆ CSIA 301 (3) *Required foundation course for major*	UL
◆ IFSM 304 (3) *Required foundation course for major*	UL
WRTG 393 (3) *Or other upper-level advanced writing GenEd course*	UL
◆ CSIA 303 (3) *Required core course for major*	UL
◆ CSIA 412 (3) *Required core course for major*	UL
◆ CSIA 413 (3) *Required core course for major*	UL
◆ CMIT 424 (3) *Or other supplemental major course (CCJS 421, CMIT 321, CMIT 425, CSIA 454, CSIA 457, CSIA 459, IFSM 432, IFSM 433)*	UL
◆ CSIA 457 (3) *Or other supplemental course for major*	UL
◆ IFSM 433 (3) *Or other supplemental course for major*	UL

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

◆ CSIA 485 (3) *Required capstone course for major*	UL

MINOR OR ELECTIVES (15 credits, at least 9 credits upper-level for minor)

Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL
	UL
Complete in last 60 credits along with major and minor courses	UL
	UL

ADDITIONAL ELECTIVES (5 credits)

Elective recommendations (please note prerequisites): Courses related to security and cybercrime: BMGT 466, CCJS 390, GVPT 409, HMLS 408, HMLS 414 Courses related to psychological and sociological concerns: CCJS 461, PSYC 370, SOCY 313, SOCY 427 Courses related to computing: CMIS 141 and CMIS 330 Additional Courses: ANTH 344, WRTG 490, EDTP 500, EDTP 535	

TOTAL: 120 CREDITS

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 the minor.	❑ Grade of C or better in all courses for the major and minor.
❑ All required courses <u>and</u> minimum number of credits for major and minor.	❑ Overall GPA of at least 2.0.
❑ Prerequisites for major and minor courses, if needed.	❑ At least half the credit for the major earned through graded coursework.
	❑ Total 120 credits.

NOTES: