



STUDENT NAME _____ DATE _____

**Information Systems Security A.A.S. at Harford Community 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 Harford Community College <i>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</i>	UMUC Equivalent Course
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GENERAL EDUCATION REQUIREMENTS (GenEd) (19 credits)		
WRTG 101 Writing GenEd	ENG 101 English Composition (3)	WRTG 101
First arts and humanities GenEd	PHIL 221 Business Ethics (3)	
Mathematics GenEd	MATH 101 or MATH 111 (3) <i>Recommended math elective</i>	
English Writing GenEd	ENG 209 Technical Writing (3)	WRTG 293
Biological and physical science with lab GenEd	Biological/Physical Lab Science Elective (4)	
First social and behavioral sciences GenEd	SOC 101 Introduction to Sociology (3) <i>Recommended behavioral/social science elective; fulfills HCC's diversity requirement</i>	SOCY 100
INTERDISCIPLINARY AND EMERGING ISSUES (5 credits)		
CIS 102 Introduction to Information Sciences (3) <i>First computing GenEd course and prerequisite for major courses</i>		IFSM 201
PE Fitness elective (1) and PE elective (1)		
ADDITIONAL COURSES (43 credits)		
BA 101 Introduction to Business (3)		BMGT 110
CIS 135 Introduction to Networks (3)		CMIS 370
CIS 104 Computer Operating Systems (3)		
◆ CIS 210 Fundamentals of Network Security (3) <i>Required core course for major</i>		◆ CMIT 320
◆ ISS 111 Cisco 1 (4) <i>Required foundation course for major</i>		◆ CMIT 265
ISS 112 Cisco 2 (4)		CMIT 350
BA 225 Project Management (3)		BMGT 487
CIS 211 MS Windows Server Operating System (3)		CMIT 368
ISS 213 Cisco 3 (4)		
ISS 214 Cisco 4 (4)		
ISS 220 Strategic Infrastructure Security (3)		IFSM 454
ISS 221 Network Defense and Countermeasures (3)		
ISS 222 Computer Forensics (3)		
Credits transferred: 67-68 credits		

SEQUENCE at UMUC		NOTES
<i>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.</i>		
ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (12 credits) <i>If requirement is met in degree at community college, these credits may be used towards electives</i>		
Second social and behavioral sciences GenEd	CCJS 100 or CCJS 105 (3) <i>Second behavioral/social science GenEd course (discipline must differ from first). Prerequisite for supplemental major course</i>	
Second arts and humanities GenEd	ARTH 372 or HIST 365 (3) <i>Or any ARTH or HIST for second arts/humanities GenEd course</i>	UL
Speech/writing GenEd	WRTG 390 (3) <i>Or other upper-level communication, writing, or speech GenEd course</i>	UL
Biological and Physical Science GenEd	NSCI 362 (3) <i>Or other upper-level 3-credit biological and physical science course</i>	UL
EMERGING ISSUES (4 credits)		
LIBS 150 (1) <i>Required GenEd course</i>		
CMIS 102 (3) <i>Second computing GenEd course and prerequisite for major courses</i>		
ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (27 credits)		
◆ CSIA 301 (3) <i>Required foundation course for major</i>		UL
◆ IFSM 304 (3) <i>Required foundation course for major</i>		UL
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>		UL
◆ CSIA 303 (3) <i>Required core course for major</i>		UL
◆ CSIA 412 (3) <i>Required core course for major</i>		UL
◆ CSIA 413 (3) <i>Required core course for major</i>		UL
◆ CMIT 424 (3) <i>Or other supplemental major course (CCJS 421, CMIT 321, CMIT 425, CSIA 454, CSIA 457, CSIA 459, IFSM 432, IFSM 433)</i>		UL
◆ CSIA 457 (3) <i>Or other supplemental major course</i>		UL
◆ IFSM 433 (3) <i>Or other supplemental major course</i>		UL
CAPSTONE COURSE FOR MAJOR (3 credits) <i>To be taken after all other courses for the major</i>		
◆ CSIA 485 (3) <i>Required capstone course for major</i>		UL
ADDITIONAL ELECTIVES (6-7 credits)		
Choose any courses to meet 120 credits for degree.		UL
		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"/> 45 upper-level credits, including half the credit for the major and the minor. <input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor. <input type="checkbox"/> Prerequisites for major and minor courses, if needed.	<input type="checkbox"/> All General Education Requirements. <input type="checkbox"/> Grade of C or better in all courses for the major and minor. <input type="checkbox"/> Overall GPA of at least 2.0. <input type="checkbox"/> At least half the credit for the major earned through graded coursework. <input type="checkbox"/> Total 120 credits.	
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