



STUDENT NAME \_\_\_\_\_ DATE \_\_\_\_\_

**Information Systems Security A.A.S. at Montgomery College to  
B.S. IN COMPUTER INFORMATION TECHNOLOGY 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

<b>GENERAL EDUCATION REQUIREMENTS (GER) (22 credits)</b>		
English Writing GER	EN 101 Techniques of Reading and Writing I (3) <i>Recommended elective from approved list</i>	
WRTG 101 Writing GER	EN 102 Techniques of Reading and Writing II (3) <i>Recommended English foundation course</i>	WRTG 101
Mathematics GER	MA 110 Survey of College Math <i>or more advanced math</i> (3) <i>Math foundation course</i>	MATH 106
Speech/writing GER	SP 108 or SP 112 (3) <i>Speech foundation course</i>	
Biological and physical science with lab GER	Natural sciences distribution with lab (4)	
First social and behavioral sciences GER	Behavioral and social sciences distribution (3)	
First arts and humanities GER	AR 107, AR 108 or any HS (3) <i>Recommended arts or humanities distribution course. Fulfills UMUC historic requirement</i>	
<b>INTERDISCIPLINARY AND EMERGING ISSUES GERs (4 credits)</b>		
CS 110 Computer Concepts (3) <i>First computing GER for UMUC</i>		IFSM 201
Health foundation course (1)		
<b>SPECIALIZED REQUIREMENTS (38 credits)</b>		
NW 127 Microcomputer Control Programs (3)		
◆ NW 151 Introduction to Networking (3) <i>Required for major</i>		◆ CMIT 265
◆ NW 252 Cisco Routers and Routing Basics (3) <i>Supplemental major course</i>		◆ CMIT 350
NW 253 Cisco Routers and Management II (3)		
NW 254 Cisco Routers and Management III (3)		
NW 173 Network Security (4)		
NW 245 Hardening the Infrastructure (3)		
◆ NW 203 Microsoft Windows Server (3) <i>Supplemental major course</i>		◆ CMIT 368
MG 288 Disaster Recovery and Risk Management (3)		
◆ NW 261 or NW 262 (4) <i>Supplemental major course</i>		◆
NW 246 Network Defense and Countermeasure (3)		
NW 270 Information Security Capstone (3)		
<b>Credits transferred: 64 credits</b>		

**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**

<b>ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (9 credits)</b>		
Second arts/humanities GER	PHIL 140 or ENGL 240 (3) <i>Or other first arts/humanities GER course from a second discipline</i>	
Second social and behavioral sciences GER	ANTH 344 (3) <i>Or other upper-level behavioral/social science GER course from a second discipline</i>	UL
Biological and physical sciences GER	BIOL 301, BIOL 302, BIOL 320, BIOL 334, or NSCI 362 (3) <i>Or other upper-level science</i>	UL
<b>EMERGING ISSUES (4 credits)</b> If requirement is completed in degree at community college, these credits may be used for electives		
LIBS 150 (1) <i>Required GER course</i>		
IFSM 300 (3) <i>Second computing GER course and related requirement for major</i>		UL
<b>ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (24 credits)</b>		
◆ CMIS 310 (3) <i>Required for major</i>		UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level advanced writing GER course</i>		UL
◆ CMIT 376 (3) <i>Or other upper-level CMIT course for major core</i>		UL
◆ CMIT 377 (3) <i>Or other upper-level CMIT course for major core</i>		UL
◆ CMIT 320 (3) <i>Or other upper-level CMIT course for major core</i>		UL
◆ CMIT 480 (3) <i>Or other upper-level CMIT course for major core</i>		UL
◆ CMIT 450 (3) <i>Or other upper-level CMIT course for major core</i>		UL
◆ CMIT 425 or CMIT 486A (3) <i>Or other supplemental major course (any CMIT, CMIS, CMSC, CMST, IFSM)</i>		UL
<b>MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor) Complete in last 60 credits along with major courses.</b>		
See requirements of individual minor. Note minimum requirements for upper-level coursework. Recommended minors: computing, English, mathematics		UL
		UL
		UL
		UL
<b>ADDITIONAL ELECTIVES (4 credits)</b>		
Choose any courses to meet 120 credits for degree. Complete in last 60 credits along with major and minor courses. Recommended: Calculus (MATH 140/141, 220 or 130/131) for those continuing to graduate school.		
<b>TOTAL: 120 CREDITS</b>		
<b>CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.</b>		
<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.	
<b>NOTES:</b>		