

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

**Information Systems A.A. at Montgomery College to  
B.S. IN COMPUTER AND INFORMATION SCIENCE 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

GENERAL EDUCATION REQUIREMENTS (GER) (37 credits)		
<b>UMUC General Education Requirements (GER)</b>  * FULFILLED *  with completion of A.S. or A.A.	EC 201 Principles of Economics I (3)	ECON 201
	EN 101 Techniques of Reading and Writing I (3)	
	EN 102 Techniques of Reading and Writing II (3) <i>English foundation course</i>	WRTG 101
	MA 110 Survey of College Math <i>or more advanced math</i> (3) <i>Math foundation course.</i>	MATH 106
	SP 108, SP 112, or SP 212 (3) <i>Speech foundation course</i>	
	Arts distribution (3)	
	AR 107, AR 108 or any HS (3) <i>Recommended arts or humanities distribution course</i>	
	Behavioral and social sciences distribution (3)	
	Behavioral and social sciences distribution (3) <i>Must be from a second discipline</i>	
	Humanities distribution (3)	
	Natural sciences lab distribution (4)	
	Natural sciences non-lab distribution (3)	
INTERDISCIPLINARY AND EMERGING ISSUES GERs (1 credit)		
Health foundation course (1)		
SPECIALIZED REQUIREMENTS (27 credits)		
AC 201 Accounting I (4)		ACCT 220
AC 202 Accounting II (4)		ACCT 221
EC 202 Principles of Economics II (3)		ECON 203
CS 110 Computer Concepts (3) <i>First computing GER at UMUC</i>		IFSM 201
CS 136 Systems Analysis & Design (3) <i>Second computing GER at UMUC</i>		
CS 140 Introduction to Programming (3)		
◆ CS 103 Computer Science I (4) <i>Required programming course for major in lieu of CMIS 141</i>		◆ CMSC 130
BA 210 or MA 116 (3)		STAT 230
<b>Credits transferred: 65 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>EMERGING ISSUES (1 credit)</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>	
<b>ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (30 credits)</b>	
◆ CMIS 170 (3) <i>Required for major</i>	
◆ CMIS 242 (3) <i>Required for major</i>	
◆ CMIS 310 (3) <i>Required for major</i>	UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level intensive writing GER course</i>	UL
◆ CMIS 325 (3) <i>Or other supplemental major course (any upper-level CMIS)</i>	UL
◆ CMIS 330 (3) <i>Or other supplemental major course</i>	UL
◆ CMIS 320 or CMIS 370 (3) <i>Or other supplemental major course</i>	UL
◆ Any CMIS (3) <i>Supplemental major course</i>	UL
◆ CMIS 415 or CMIS 460 (3) <i>Or other 400-level supplemental major course</i>	UL
◆ CMIS 420 or CMIS 435 (3) <i>Or other 400-level supplemental major course</i>	UL
<b>MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)</b>	
See requirements of individual minor. Note minimum requirements for upper-level coursework.	UL
	UL
	UL
	UL
<b>ADDITIONAL ELECTIVES (9 credits)</b>	
Choose any courses to meet 120 credits for degree.	UL
	UL
	UL
<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>	