

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 (GenEd) (34 credits)		
UMUC General Education Requirements (GenEd) * FULFILLED * with completion of A.S. or A.A.	EN 101 Techniques of Reading and Writing I (3)	
	EN 102 or EN 109 (3) <i>English foundation course</i>	WRTG 101
	MA 110 Survey of College Mathematics (3) <i>Or other more advanced math. Mathematics foundation course</i>	MATH 106
	SP 108 or SP 112 (3) <i>Speech foundation course</i>	
	Arts distribution (3)	
	Humanities distribution (3)	
	AR 107, AR 108, or any HS (3) <i>Recommended arts or humanities distribution course</i>	
	EC 201 Principles of Economics I (3)	ECON 201
	Behavioral and social sciences distribution (3) <i>Must be from a second discipline</i>	
	Natural sciences distribution with lab (4)	
	Natural sciences distribution without lab (3)	
INTERDISCIPLINARY AND EMERGING ISSUES (1-3 credits)		
Health foundation course (1-3)		
PROGRAM REQUIREMENTS (26 credits)		
AC 201 Accounting I (4)	ACCT 220	
AC 202 Accounting II (4)	ACCT 221	
BA 210 or MA 116 (3)	STAT 230	
◆ CS 213 Java Programming Language (3) <i>Recommended course. Note prerequisite of CS 140. First course in programming language sequence and prerequisite to second course in sequence</i>	◆ CMIS 141	
CS 110 Computer Concepts (3) <i>Recommended course. First computing GenEd at UMUC</i>	IFSM 201	
CS 136 Systems Analysis and Design (3) <i>Second computing GenEd course at UMUC</i>		
◆ CS 140 Introduction to Programming (3) <i>Prerequisite for CS 213. Supplemental major course</i>	◆ CMIS 102	
EC 202 Principles of Economics II (3) <i>Or CS elective</i>	ECON 203	
Credits transferred: 61-63 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

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

SEQUENCE at UMUC		NOTES
EMERGING ISSUES (1 credit)		
LIBS 150 (1) <i>GenEd course</i>		
ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (24 credits)		
◆ CMIS 111 or CMIS 170 (3) <i>Required introductory major course</i>		
◆ CMIS 242 (3) <i>Second course in programming language sequence for major. If alternate programming language sequence is desired student may have to take additional courses. Check with advisor.</i>		
◆ CMIS 320 (3) <i>Required core course for major</i>		UL
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>		UL
◆ CMIS 330 (3) <i>Required core course for major</i>		UL
◆ CMIS 325 (3) <i>Or other supplemental major course (CMIS 255, 310, or 315)</i>		UL
◆ CMIS 420 (3) <i>Or any other 400-level CMIS course except CMIS 486A/B</i>		UL
◆ CMIS 485 (3) <i>Or any other 400-level CMIS course except CMIS 486A/B</i>		UL
CAPSTONE COURSE FOR MAJOR (3 credits) To be taken after all other courses for the major		
◆ CMSC 495 (3) <i>Required capstone course for major</i>		UL
MINOR OR ELECTIVES (15 credits, at least 9 credits upper-level for minor)		
See requirements of individual minor. Note minimum requirements for upper-level coursework.		UL
Recommended minor: computing		UL
		UL
		UL
		UL
ADDITIONAL ELECTIVES (14-16 credits)		
Choose any courses to meet 120 credits for degree.		UL
Recommended elective: WRTG 490		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.	
NOTES:		