

STUDENT NAME _____ DATE _____

Computer Science 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 degree. It lists all of the graduation requirements in the recommended sequence. For full course descriptions, please refer to the current undergraduate *Catalog*.

Courses taken at Montgomery College
Changes in courses may affect other elements of the degree plan.

 UMUC
Equivalent
Course

GENERAL EDUCATION REQUIREMENTS (GER) (32 credits)		
UMUC General Education Requirements (GER) * FULFILLED * with completion of A.S. or A.A.	EN 102 Techniques of Reading and Writing (3) <i>Recommended English foundation course</i>	WRTG 101
	MA 181 Calculus I (4) <i>Math foundation course</i>	MATH 140
	SP 108, SP 112, or SP 212 (3) <i>Speech foundation course</i>	
	Arts distribution course (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)		
COMPUTER SCIENCE FUNDAMENTAL REQUIREMENTS (16 credits)		
◆ CS 103 Computer Science I (4) <i>Required for major in lieu of CMIS 141/CMIS 141A</i>		◆ CMSC 130
CS 204 Computer Science II (4)		CMSC 230
CS 256 Introduction to Discrete Structures (4)		CMSC 150
MA 182 Calculus II (4)		MATH 141
COMPUTER SCIENCE ELECTIVES (11 credits)		
CS 110 Computer Concepts (3) <i>Recommended computer science elective. First computing GER for UMUC</i>		IFSM 201
CS 136, 140, 226, or 249 (3) <i>Recommended computer science elective. Second computing GER for UMUC</i>		
CS 136, 140, 210, 216, 226, 249, 269, or MA 284 (3) <i>Computer science elective</i>		
CS 136, 140, 210, 216, 226, 249, 269, or MA 284 (2) <i>Computer science elective</i>		
Credits transferred: 60 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

EMERGING ISSUES (1 credit) If requirement is completed in degree at community college, these credits may be used for electives	
LIBS 150 (1) <i>Required GER course</i>	
ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (30 credits)	
◆ 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
MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)	
See requirements of individual minor.	UL
Recommended minor: computing	UL
	UL
ADDITIONAL ELECTIVES (14 credits)	
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL
	UL
	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:	