

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

**Computer Science A.A. at Montgomery College to  
B.S. IN COMPUTER 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) (28 credits)		
<b>UMUC General Education Requirements (GER)</b>  * 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
	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 (20 credits)		
◆ MA 181 Calculus 1 (4) <i>Required for major</i>		◆ MATH 140
◆ CS 103 Computer Science I (4) <i>Required for major</i>		◆ CMSC 130
◆ CS 204 Computer Science II (4) <i>Required for major</i>		◆ CMSC 230
◆ CS 256 Introduction to Discrete Structures (4) <i>Required for major</i>		◆ CMSC 150
◆ MA 182 Calculus II (4) <i>Required for major</i>		◆ 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>		
<b>Credits transferred: 60 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 (21 credits)</b>	
WRTG 393 or WRTG 393X (3) <i>Or other upper-level intensive writing GER course</i>	UL
◆ CMSC 311 (3) <i>Or any 300-level CMSC course</i>	UL
◆ CMSC 330 (3) <i>Required for major</i>	UL
◆ CMSC 335 (3) <i>Required for major</i>	UL
◆ Any 400-level CMSC course except CMSC 486 A/B (3) <i>Supplemental major course</i>	UL
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<b>CAPSTONE COURSE FOR MAJOR (3 credits)</b> <i>To be taken after all other courses for the major</i>	
◆ CMSC 495 (3) <i>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.	UL
	UL
	UL
<b>ADDITIONAL ELECTIVES (20 credits)</b>	
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL
	UL
	UL
	UL
<b>TOTAL: 120 CREDITS</b>	
<b>CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS</b> 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.
<b>NOTES:</b>	