



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

**COMPUTER SCIENCE A.S. at COLLEGE OF SOUTHERN MARYLAND 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*.

<b>Courses taken at College of Southern Maryland</b> <i>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</i>	UMUC Equivalent Course
--	------------------------------

*Recommended courses are those courses that best fulfill both UMUC and CSM graduation and major requirements. Other options may be available.*

GENERAL EDUCATION REQUIREMENTS (GER) (32 credits)		
<b>UMUC General Education Requirements (GER)</b>  * FULFILLED *  with completion of A.S. or A.A.	COM 1250 Introduction to Interpersonal Communication (3) <i>Communications./Speech GER</i>	SPCH 125
	ENG 1010 Composition and Rhetoric (3) <i>Communications GER</i>	ENGL 101
	ENG 1020 Composition and Literature (3) <i>Communications/Writing GER</i>	
	HST gen. ed. (3) <i>Recommended arts/humanities GER. Fulfills historical perspective requirement at UMUC</i>	
	Biological and Physical Sciences with lab gen. ed. (4)	
	Biological and Physical Sciences gen. ed. (3)	
	MTH 2200, MTH 2210, or MTH 2220 (4) <i>Mathematics GER</i>	
	Social/behavioral science gen. ed. (3) <i>Social and behavioral science GER</i>	
	Social/behavioral science gen. ed. (3) <i>Social and behavioral science GER, Must be different discipline that the first</i>	
	Additional General Education course (3)	
INTERDISCIPLINARY AND EMERGING ISSUES GERs (3 credits)		
ITS 1015 The Information Age (3)	IFSM201	
COMPUTER RELATED COURSES (27 credits)		
ITS 2591 C++ Programming I (4)	CMIS 140	
ITS 2592 C++ Programming II (4)	CMIS 240	
ITS 2740 Data Structures and Algorithms (4)	CMIS 240	
ITS 2750 Computer Architecture (4)		
◆ MTH 1200 Calculus I and Analytic Geometry (4) <i>Required for UMUC major</i>	◆ MATH 140	
◆ MTH 1210 Calculus II (4) <i>Required for UMUC major</i>	◆ MATH 141	
◆ MTH 2500 Introduction to Discrete Mathematics (3) <i>Recommended before major courses. Required for UMUC major</i>	◆ CMSC 150	
<b>Credits transferred: 62 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>CROSS-CURRICULAR INITIATIVES AND EMERGING ISSUES (7 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>															
ANTH 344 (3) <i>Or other international perspective course</i>	UL														
IFSM 304 (3) <i>Or other civic responsibility course</i>	UL														
<b>ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (30 credits)</b>															
◆ CMSC 130 (3) <i>Required for major</i>															
◆ CMSC 230 (3) <i>Required for major</i>															
COMM 393 or COMM 393X (3) <i>Or other upper-level intensive writing GER course</i>	UL														
◆ CMSC 311 (3) <i>Required for major</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														
◆ Any 400-level CMSC course except CMSC 486 A/B (3) <i>Supplemental major course</i>	UL														
◆ Any 400-level CMSC course except CMSC 486 A/B (3) <i>Supplemental major course</i>	UL														
◆ Upper Level CMSC (3) <i>Supplemental major course taken in lieu of CMSC 101</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 (6 credits)</b>															
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL														
	UL														
<b>TOTAL: 120 CREDITS</b>															
<b>CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.</b>															
<table border="0"> <tr> <td><input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 credits upper level.</td> <td><input type="checkbox"/> International perspective requirement.</td> </tr> <tr> <td><input type="checkbox"/> 45 upper-level credit, including half the credit for the major and for the minor.</td> <td><input type="checkbox"/> Historical perspective requirement.</td> </tr> <tr> <td><input type="checkbox"/> Prerequisites for major and minor courses, if needed.</td> <td><input type="checkbox"/> Civic responsibility perspective requirement.</td> </tr> <tr> <td><input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.</td> <td><input type="checkbox"/> All General Education Requirements.</td> </tr> <tr> <td><input type="checkbox"/> At least half the credit for the major earned through graded coursework.</td> <td><input type="checkbox"/> Grade of C or better in all courses for the major and minor.</td> </tr> <tr> <td><input type="checkbox"/> A maximum of 70 credits may transfer from community college with completion of associate's degree, and 60 credits without.</td> <td><input type="checkbox"/> Overall GPA of at least 2.0.</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Total 120 credits.</td> </tr> </table>		<input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 credits upper level.	<input type="checkbox"/> International perspective requirement.	<input type="checkbox"/> 45 upper-level credit, including half the credit for the major and for the minor.	<input type="checkbox"/> Historical perspective requirement.	<input type="checkbox"/> Prerequisites for major and minor courses, if needed.	<input type="checkbox"/> Civic responsibility perspective requirement.	<input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.	<input type="checkbox"/> All General Education Requirements.	<input type="checkbox"/> At least half the credit for the major earned through graded coursework.	<input type="checkbox"/> Grade of C or better in all courses for the major and minor.	<input type="checkbox"/> A maximum of 70 credits may transfer from community college with completion of associate's degree, and 60 credits without.	<input type="checkbox"/> Overall GPA of at least 2.0.		<input type="checkbox"/> Total 120 credits.
<input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 credits upper level.	<input type="checkbox"/> International perspective requirement.														
<input type="checkbox"/> 45 upper-level credit, including half the credit for the major and for the minor.	<input type="checkbox"/> Historical perspective requirement.														
<input type="checkbox"/> Prerequisites for major and minor courses, if needed.	<input type="checkbox"/> Civic responsibility perspective requirement.														
<input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.	<input type="checkbox"/> All General Education Requirements.														
<input type="checkbox"/> At least half the credit for the major earned through graded coursework.	<input type="checkbox"/> Grade of C or better in all courses for the major and minor.														
<input type="checkbox"/> A maximum of 70 credits may transfer from community college with completion of associate's degree, and 60 credits without.	<input type="checkbox"/> Overall GPA of at least 2.0.														
	<input type="checkbox"/> Total 120 credits.														