



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*.

Courses taken at College of Southern Maryland

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

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)

UMUC General Education Requirements (GER) * FULFILLED * with completion of A.S. or A.A.	ENG 1010 Composition and Rhetoric (3) <i>Communications GER</i>	WRTG 101
	Social / Behavior Sciences gen. ed. (3) <i>Social and behavioral sciences GER</i>	
	ART 1010, ART 1020, or any HST gen. ed. (3) <i>Recommended Arts/Humanities GER</i>	
	COM 1250 Introduction to Interpersonal Communication (3) <i>Communications/Speech GER</i>	SPCH 125
	Biological / Physical Sciences (lecture and lab) (4) <i>Biological / Physical Sciences GER</i>	
	ENG 1020 Composition and Literature (3) <i>Communications/Writing GER</i>	
	Social / Behavior Sciences gen. ed. (3) <i>Social and behavioral sciences GER. Must be from a second discipline</i>	
	Arts / humanities general education (3) <i>Recommended elective</i>	
	MTH 2200, MTH 2210, or MTH 2220 (4) <i>Mathematics GER</i>	
Biological / Physical Sciences gen. ed. (3) <i>Biological / Physical Sciences GER</i>		

INTERDISCIPLINARY AND EMERGING ISSUES GERs (3 credits)

ITS 1015 The Information Age: Emerging Technologies (3) <i>First computing GER course at UMUC</i>	IFSM 201
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COMPUTER RELATED COURSES (27 credits)

◆ MTH 1200 Calculus I and Analytic Geometry (4) <i>Required for UMUC major</i>	◆ MATH 140
◆ ITS 2591 Computer Science I (4) <i>Required for UMUC major</i>	◆ CMSC 130
◆ ITS 2592 Computer Science II (4) <i>Required for UMUC major</i>	◆ CMSC 230
◆ MTH 1210 Calculus II (4) <i>Required for UMUC major</i>	◆ MATH 141
◆ MTH 2500 Introduction to Discrete Mathematics (3) <i>Required for UMUC major</i>	◆ CMSC 150
ITS 2740 Data Structures and Algorithms (4) <i>Second computing GER at UMUC</i>	CMIS 241
ITS 2750 Computer Architecture (4)	CMSC 311

Credits transferred: 62 credits

SEQUENCE at UMUC <i>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.</i>	NOTES
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EMERGING ISSUES (1 credit) If requirement is completed in degree at community college, these credits may be used for electives	
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LIBS 150 (1) <i>Required GER course</i>	
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ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (21 credits)	
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WRTG 393 or WRTG 393X (3) <i>Or other upper-level advanced writing GER course</i>	UL
◆ CMSC 325 (3) <i>Or other upper-level CMSC course. Core course for major</i>	UL
◆ CMSC 330 (3) <i>Required for major</i>	UL
◆ CMSC 335 (3) <i>Required for major</i>	UL
◆ CMSC 415 (3) <i>Or other supplemental major course (Any 400-level CMSC course except CMSC 486 A/B)</i>	UL
◆ CMSC 480 (3) <i>Or other supplemental major course</i>	UL
◆ CMSC 425 (3) <i>Or other supplemental major course</i>	UL

CAPSTONE COURSE FOR MAJOR (3 credits) <i>To be taken after all other courses for the major</i>	
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◆ CMSC 495 (3) <i>Capstone course for major</i>	UL
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MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)	
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See requirements of individual minor. Recommended minor: computing or mathematics	UL
	UL
	UL
	UL
	UL

ADDITIONAL ELECTIVES (18 credits)	
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Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL
	UL
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	UL
	UL
	UL
	UL

TOTAL: 120 CREDITS	
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CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.	
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<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.
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