



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

**Information Services Technology A.A.S. at CSM to  
B.S. IN INFORMATION SYSTEMS MANAGEMENT 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.*

UMUC GER Requirement	GENERAL EDUCATION REQUIREMENTS (GER) (18 credits)	
WRTG 101 Writing GER	ENG 1010 Composition and Rhetoric (3) <i>Communications GER</i>	WRTG 101
Mathematics GER	MTH 1100 College Mathematics <i>or more advanced math</i> (3)	MATH 106
English Writing GER	ENG 1020 or ENG 2050 (3) <i>Communications/Writing GER</i>	
Biological and Physical Sciences GER	Biological / Physical Sciences gen. ed. (3) <i>Biological and physical sciences GER</i>	
Speech/writing GER	COM 1250 Introduction to Interpersonal Communication (3) <i>Communications/Speech GER</i>	SPCH 125
First social and behavioral sciences GER	Social / Behavioral Sciences gen. ed. (3) <i>Social and behavioral sciences GER</i>	
<b>INTERDISCIPLINARY AND EMERGING ISSUES (3 credits)</b>		
ITS 1015 The Information Age: Emerging Technologies (3) <i>First computing GER course at UMUC and prerequisite for major courses</i>		IFSM 201
<b>INFORMATION SERVICES TECHNOLOGY RELATED COURSES (42 credits)</b>		
ITS 1020 Operating Systems Concepts (3)		
ITS 1110 Program Design and Development (3) <i>Second computing GER course and prerequisite for programming courses at UMUC</i>		CMIS 102
ITS 1040 Systems Analysis and Design (3)		
◆ ITS 1120 Introduction to Database (3) <i>Required for UMUC major</i>		◆ IFSM 410
◆ ITS 2090 Computer Security (3) <i>Supplemental UMUC major</i>		◆ CMIT 320
ITS 2940 Cyber Ethics (3)		
ITS 2120 Local Area Network Administration (3)		
◆ ITS 2250 Data Communications (3) <i>Supplemental UMUC major</i>		◆ CMIS 370
ITS 2470 PC Service and Support (3)		
ITS 2620 Web Graphics & Multimedia (3) <i>Or other professional elective</i>		CMIS 386
ITS 2430 Information Technology Center Support (3)		
ITS 2900 or ITS 2910 (3) <i>Applied learning</i>		
ITS 2190 Microsoft Windows (3) <i>Or other professional elective</i>		CMIT 368
ITS 2490 Introduction to Visual Pro (3) <i>Or other professional elective</i>		CMST 305
<b>Credits transferred: 63 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>ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (13 credits)</b>		
Biological and Physical Science with Lab GER	NSCI 100 and NSCI 101 (4) <i>Or other biological/physical science GER course with related lab</i>	
First arts and humanities GER	ARTH 370 or HIST 365 (3) <i>Or other upper-level ARTH or HIST</i>	UL
Second social and behavioral sciences GER	ANTH 344 (3) <i>Or other second upper-level behavioral/social science GER course</i>	UL
Second arts and humanities GER	PHIL 315 or HUMN 351 (3) <i>Or other arts and humanities from a second discipline</i>	UL
<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 (27 credits)</b>		
STAT 200 (3) <i>Related requirement for major</i>		
◆ CMIS 141 (3) <i>Or other programming course for major</i>		
◆ IFSM 300 (3) <i>Required for major</i>		UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level advanced writing GER course</i>		UL
◆ IFSM 310 (3) <i>Required for major</i>		UL
◆ IFSM 461 (3) <i>Required for major</i>		UL
◆ IFSM 303 (3) <i>Or other core course for the major (any upper-level IFSM)</i>		UL
◆ IFSM 438 (3) <i>Or other core course for major</i>		UL
◆ IFSM 433 (3) <i>Or other 400-level core course for major</i>		UL
<b>MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)</b>		
See requirements of individual minor. Note minimum requirements for upper-level coursework.		UL
		UL
		UL
		UL
		UL
<b>ADDITIONAL ELECTIVES (1 credit)</b>		
Choose any courses to meet 120 credits for degree.		
<b>TOTAL: 120 CREDITS</b>		
<b>CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.</b>		
<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>		