

STUDENT NAME _____ DATE _____

**Information Services Technology: Web Developer A.A.S. at CSM to
B.S. IN COMPUTER STUDIES 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)	
Speech/writing GER	COM 1250 Introduction to Interpersonal Communication (3) <i>Communications/ Speech GER</i>	SPCH 125
WRTG 101 Writing GER	ENG 1010 Composition and Rhetoric (3) <i>Communications GER</i>	WRTG 101
English Writing GER	ENG 1020 or ENG 2050 (3) <i>Communications/Writing GER</i>	
Mathematics GER	MTH 1100 College Mathematics <i>or more advanced math</i> (3)	MATH 106
Biological and Physical Sciences GER	Biological / Physical Sciences gen. ed. (3) <i>Biological and physical sciences GER</i>	
First social and behavioral sciences GER	Social / Behavioral Sciences gen. ed. (3) <i>Social and behavioral sciences GER</i>	
INTERDISCIPLINARY AND EMERGING ISSUES (3 credits)		
	ITS 1015 The Information Age: Emerging Technologies (3) <i>First computing GER course at UMUC</i>	IFSM 201
INFORMATION SERVICES TECHNOLOGY RELATED COURSES (42 credits)		
	ITS 1020 Operating Systems Concepts (3)	
	ITS 1040 Systems Analysis and Design (3)	
	ITS 1110 Program Design and Development (3) <i>Second computing GER course and prerequisite for major courses at UMUC</i>	CMIS 102
	◆ ITS 1120 Introduction to Database (3) <i>Supplemental UMUC major course</i>	◆ CMIT 320
	ITS 2090 Computer Security (3)	
	ITS 2120 Local Area Network Administration (3)	
	ITS 2910 Cooperative Education I: Computer (3)	
	ITS 2940 Cyber Ethics (3)	
	ITS 1205 Internet and Web Application Essentials (3)	
	ITS 2600 Advanced Web Authoring (3)	
	ITS 2650 Web Design and Visual Communication (3)	
	◆ ITS 2492 Programming for the Web Using .NET Technology (3) <i>Programming course for major</i>	◆
	◆ ITS 2690 Web Programming (3) <i>Supplemental UMUC major course</i>	◆ CMST 386
	ITS 2620 or ITS 2645 (3) <i>Professional elective</i>	
Credits transferred: 63 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

ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (13 credits)		
First arts and humanities GER	PHIL 140 or foreign language course (3) <i>Or other arts/humanities GER course</i>	
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>	
Second arts and humanities GER	Upper-level HIST or ARTH (3) <i>Must be from a second discipline</i>	UL
Second social and behavioral sciences GER	ANTH 344 (3) <i>Or other second behavioral/social science GER course</i>	UL
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 (24 credits)		
◆ CMST 340 (3) <i>Or other foundation course for the major (CMIS 241, CMSC 230, IFSM 300, IFSM 310)</i>		UL
◆ IFSM 300 (3) <i>Or other foundation course (CMIS 241, CMST 340, CMSC 230, IFSM 310). Required for major</i>		UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level intensive writing GER course</i>		UL
◆ CMST 310 (3) <i>Or other supplemental course for major (any CMIS, CMIT, CMSC, CMST, IFSM)</i>		UL
◆ CMIS 416 (3) <i>Or other upper-level supplemental major course</i>		UL
◆ CMST 385 (3) <i>Or other upper-level supplemental major course</i>		UL
◆ CMIS 430, CMST 450, or CMST 460 (3) <i>Or other supplemental major course</i>		UL
◆ CMIS 430, CMST 450, or CMST 460 (3) <i>Or other 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: business administration minor.		UL
		UL
		UL
ADDITIONAL ELECTIVES (4 credits)		
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.		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"/> All General Education Requirements.
<input type="checkbox"/> 45 upper-level credits, including half the credit for the major and the minor.		<input type="checkbox"/> Grade of C or better in all courses for the major and minor.
<input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.		<input type="checkbox"/> Overall GPA of at least 2.0.
<input type="checkbox"/> Prerequisites for major and minor courses, if needed.		<input type="checkbox"/> At least half the credit for the major earned through graded coursework.
		<input type="checkbox"/> Total 120 credits.
NOTES:		