



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)	
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>	
Speech/writing GER	COM 1250 Introduction to Interpersonal Communication (3) <i>Communications/ Speech GER</i>	SPCH 125
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>	
<b>INTERDISCIPLINARY AND EMERGING ISSUES (3 credits)</b>		
	ITS 1015 The Information Age: Emerging Technologies (3) <i>First computing GER course and prerequisite for UMUC 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 major courses at UMUC</i>	CMIS 102
	ITS 1040 Systems Analysis and Design (3)	
	ITS 1120 Introduction to Database (3)	IFSM 410
	ITS 2090 Computer Security (3)	CMIT 320
	ITS 2940 Cyber Ethics (3)	
	ITS 1205 Internet and Web Application Essentials (3)	
	ITS 2120 Local Area Network Administration (3)	
	ITS 2492 Programming for the Web Using .Net Technology (3)	
	◆ ITS 2600 Advanced Web Authoring (3) <i>Supplemental UMUC major course</i>	◆ CMST 385
	◆ ITS 2690 Web Programming (3) <i>Supplemental UMUC major course</i>	◆ CMST 386
	ITS 2900 or ITS 2910 (3) <i>Applied Learning</i>	
	ITS 2650 Web Design and Visual Communication (3)	
	ITS 2620 or ITS 2645 (3) <i>Professional elective</i>	
<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****ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (13 credits)**

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	PHIL 315 (3) <i>Or other upper-level arts and humanities GER course</i>	UL
Second 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 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 electivesLIBS 150 (1) *Required GER course***ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (27 credits)**

◆ CMST 306 (3) <i>Or CMIS 141, CMIS 170, or CMSC 130 (but note prerequisites for later courses). Required for major</i>	
◆ CMST 340 (3) <i>Or other foundation course for the major (CMIS 242 or CMSC 230;IFSM 300 or IFSM 310)</i>	UL
◆ IFSM 300 (3) <i>Or other foundation course (CMIS 242 or CMSC 230, CMST 340, IFSM 310). Required for major</i>	UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level advanced writing GER course</i>	UL
◆ CMST 310 (3) <i>Or other upper-level supplemental course for major (any UL CMIS, CMIT, CMSC, CMST, CSIA, &amp; IFSM)</i>	UL
◆ CMST 416 (3) <i>Or other upper-level supplemental major course</i>	UL
◆ CMST 430 (3) <i>Or other upper-level supplemental major course</i>	UL
◆ CMST 450 (3) <i>Or other upper-level supplemental major course</i>	UL
◆ CMST 460 (3) <i>Or other upper-level 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
Note minimum requirements for upper-level coursework.	UL
	UL

**ADDITIONAL ELECTIVES (1 credit)**

Choose any courses to meet 120 credits for degree.

**TOTAL: 120 CREDITS****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.<br><input type="checkbox"/> 45 upper-level credits, including half the credit for the major and the minor.<br><input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.<br><input type="checkbox"/> Prerequisites for major and minor courses, if needed. | <input type="checkbox"/> All General Education Requirements.<br><input type="checkbox"/> Grade of C or better in all courses for the major and minor.<br><input type="checkbox"/> Overall GPA of at least 2.0.<br><input type="checkbox"/> At least half the credit for the major earned through graded coursework.<br><input type="checkbox"/> Total 120 credits. |
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**Notes:**