



STUDENT NAME _____ DATE _____

**Computer Information Systems A.A.S. at Harford Community College to
B.S. IN DIGITAL MEDIA AND WEB TECHNOLOGIES**

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 Harford Community College

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

GENERAL EDUCATION REQUIREMENTS (GeneD) (22-23 credits)		
WRTG 101 Writing GenEd	ENG 101 English Composition (3)	WRTG 101
Mathematics GenEd	MATH 101, 109, 111, 203, or 207 (3-4) <i>Math GenEd</i>	
Biological and physical science with lab GenEd	Biological/Physical Lab Science elective (4)	
English Writing GenEd	ENG 209 Technical Writing (3)	WRTG 293
First arts and humanities GenEd	Arts/Humanities elective (3)	
First social and behavioral sciences GenEd	PSY 101 or SOC 101 <i>any GB except HIST (3) Recommended Behavioral/Social Science elective. If not completed in GH, Harford diversity requirement may be fulfilled here.</i>	PSYC 100 or SOCY 100
Second arts and humanities GenEd	ART 201, ART 202, HIST 101, HIST 102, HIST 103, HIST 104, HIST 202, HIST 207, HIST 208 (3) <i>Recommended General Education elective to meet UMUC historic requirement and meet Harford diversity requirement</i>	
INTERDISCIPLINARY AND EMERGING ISSUES (5 credits)		
CIS 102 Introduction to Information Sciences (3) <i>First computing GenEd course and prerequisite for major courses</i>		IFSM 201
PE Fitness elective (1) and PE elective (1)		
COMPUTER INFORMATION SYSTEMS RELATED COURSES (35-38 credits)		
ACCT 101 Accounting Principles I (3)		ACCT 220
ACCT 102 Accounting Principles II (3)		ACCT 221
◆ CIS 205 Visual Basic.Net Programming (4) <i>Recommended elective. Supplemental major course</i>		◆ CMST 306
CIS 115 Fundamentals of Programming (3) <i>Second computing GenEd course and prerequisite for later courses</i>		CMIS 102
◆ CIS 136 Introduction to Internet Technologies (3) <i>Recommended software elective</i>		◆ CMST 385
CIS 104 or CIS 135 (3)		
CIS 203 Computer Systems and Procedures (3)		IFSM 202
◆ CIS 207 Advanced Visual Basic.NET Programming (4) <i>Recommended CIS choice. Supplemental major course</i>		◆ CMST 416
CIS 273 Cooperative Education or CSI/CIS elective (3-4)		
CSI/CIS Programming Language Elective (3-4)		
CSI/CIS Elective (3-4)		
Credits transferred: 62-66 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 (9 credits) *If requirement is completed in degree at community college, these credits may be used for electives*

Speech/writing GenEd	WRTG 390 (3) <i>Or other communication, writing or speech GenEd course</i>	UL
Biological and physical sciences GenEd	BIOL 301 or NSCI 362 (3) <i>Or other 3-credit upper-level biological/physical science GenEd course</i>	UL
Second social and behavioral sciences GenEd	ANTH 344 (3) <i>Or other upper-level social and behavioral sciences GenEd course</i>	UL

EMERGING ISSUES (1 credit)

LIBS 150 (1) *Required GenEd course*

ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (21 credits)

◆ CMST 295 (3) <i>Required foundation course for the major</i>	
◆ CMST 290 (3) <i>Required foundation course for the major</i>	
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>	UL
◆ CMST 386 (3) <i>Second course in Web Technology core course sequence</i>	UL
◆ CMIS 388 (3) <i>Or other supplemental major course (any CMST, CMIS, CMIT, CMSC, CSIA, or IFSM)</i>	UL
◆ CMST 460 (3) <i>Or other supplemental major course</i>	UL
◆ CMST 463 (3) <i>Or other supplemental major course</i>	UL

CAPSTONE COURSE FOR MAJOR (3 credits) *To be taken after all other courses for the major*

◆ CMST 495 (3) <i>Required capstone course for the major</i>	UL
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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
	UL

ADDITIONAL ELECTIVES (5-9 credits)

Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.	UL
Recommended: CMIS 111, IFSM 304, and WRTG 490	

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"/> 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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