



STUDENT NAME _____ DATE _____

Computer Science A.A. at CCBC to B.S. IN COMPUTER AND INFORMATION 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 Community College Baltimore County

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 (GER) (29 credits)		
UMUC General Education Requirements (GER) * FULFILLED * with completion of A.S. or A.A.	SPCM 101 Fundamentals of Speech Communication (3)	SPCH 100
	ENGL 101 College Composition I (3)	WRTG 101
	ENGL 102 College Composition II (3)	
	MATH 251 Calculus I (4)	MATH 140
	Arts and Humanities (3)	
	General Education HIST (3) <i>Recommended Social and Behavioral Sciences GER elective</i>	
	POLS 131; PSYC 105; SOCL 141, SOCL 230, or WMST 101 (3) <i>Recommended Social and Behavioral Sciences course. Fulfills Diversity course requirement</i>	
	BIOL 104, BIOL 106, BIOL 110, CHEM 121, or PHYS 151 (3) <i>Recommended Biological and Physical Science</i>	
BIOL 104, BIOL 106, BIOL 110, CHEM 121, or PHYS 151 (4) <i>Recommended Biological and Physical Science. Must include laboratory</i>		
INTERDISCIPLINARY AND EMERGING ISSUES (8-9 credits)		
ACDV 101 (0-1) <i>As of spring 2010 new/first time students will be required to take ACDV101 during their 1st semester at CCBC</i>		
Wellness and Health (3)		
CINS 101 Introduction to Computers (3) <i>Recommended Information Technology course. Required at UMUC</i>		IFSM 201
PSYC 126 Ways of Knowing (2) <i>Or other Global, Historical, and Cultural Perspectives General Education Elective</i>		
COMPUTER COURSES (20 credits)		
◆ CMSC 201 Computer Science I for Majors (4) <i>Required for major in lieu of CMIS 141</i>		◆ CMSC 130
CMSC 202 Computer Science II for Majors (4) <i>Second computing GER at UMUC</i>		CMSC 230
MATH 243 Discrete Mathematics (4)		CMSC 150
MATH 252 Calculus II (4)		MATH 141
MATH 257 Linear Algebra (4)		MATH 240
ELECTIVES (3-4 credits)		
CINS 142, MATH 153, or CINS 236 (3-4)		
Credits transferred: 60-62 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.*

**SEMESTER
TAKEN**

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 (30 credits) Take after introductory/foundation courses.	
◆ CMIS 170 (3) <i>Required for major</i>	
◆ CMIS 242 (3) <i>Required for major</i>	
◆ CMIS 310 (3) <i>Required for major</i>	UL
WRTG 393 or WRTG 393X (3) <i>Or other upper-level advanced writing GER course</i>	UL
◆ CMIS 325 (3) <i>Or other supplemental major course (any upper-level CMIS except CMIS 486A/B)</i>	UL
◆ CMIS 330 (3) <i>Or other supplemental major course</i>	UL
◆ CMIS 320 or CMIS 370 (3) <i>Or other supplemental major course</i>	UL
◆ CMIS 485 (3) <i>Or other supplemental major course</i>	UL
◆ CMIS 415 or CMIS 460 (3) <i>Or other 400-level supplemental major course</i>	UL
◆ CMIS 420 or CMIS 435 (3) <i>Or other 400-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 minor: computing	UL
	UL
ADDITIONAL ELECTIVES (12-14 credits)	
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework. Complete in last 60 hours along with major and minor courses.	UL
	UL
	UL
	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"/> 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.
NOTES:	