

CCBC A.S. Computer Science (Information Systems Management)

Course Code	Course Title	UMBC Equivalency	UMBC GEP Met	Credits
General Requirements				
CSIT111	Logic and OO Design	LLE - CMSC	SS	3
ECON201	Introduction to Macro-economic Principles	ECON102 - Principles of Macroeconomics	SS	3
ECON202	Introduction to Micro-economic Principles	ECON101 - Principles of Microeconomics	SS	3
ENGL101	College Composition I	LLE - ENGL	AH	3
MATH251	Calculus I	MATH151 - Calculus and Analytic Geometry I (Grade of C or better)	M	4
General Education Electives				
Arts and Humanities			AH	3
Arts and Humanities			AH	3
Biological and Physical Sciences			S	3
Biological and Physical Sciences (one course must include a lab)			SL	4
Program Requirements				
ACCT101	Principles of Accounting I	ECON121 - Principles of Accounting I		3
ACCT102	Principles of Accounting II	ECON122 - Principles of Accounting II		3
CSIT210	Introduction to Programming	CMSC201 - Computer Science for Majors I, or IS147 - Computer Programming I (Grade of C or better)		4
CSIT211	Advanced Programming	CMSC202 - Computer Science for Majors II, or IS247 - Computer Programming II		4
MATH243	Discrete Mathematics	CMSC203 - Discrete Structures	M	4
MNGT105	Principles of Management	MGMT210 - The Practice of Management		3
Program Electives: Choose 10 Credits (Elective courses should be selected to meet transfer institution requirements)				
CSIT212	Visual Basic Programming	IS246 - Topics in Programming Languages and Tools		4
ENGL102	College Composition II	ENGL100 - Composition	EN	3
MATH257	Linear Algebra	MATH221 - Infroduction to Linear Algebra	M	4
Additional Requirements				
*ACDV101	Academic Development: Transition to College	Not Transferable		1
Total Credits for A.S. Computer Science (Information Systems Management): *61-62				
Total Credits Articulated toward UMBC degree (maximum 60 credits): 60				
*Completion of the one-credit ACDV101 course, Transitioning to College, went into effect spring 2010. If you are a credit student who is new to college (meaning you have not successfully completed college coursework at another institution(s)), you are required to take ACDV101 during your first semester at CCBC, thereby increasing the number of credits required for the degree by 1 credit.				

Symbol	Title	UMBC Graduation Requirements	Number of courses taken at CCBC that satisfy UMBC Graduation requirements	Number of courses still needed to satisfy UMBC Graduation requirements
EN	English Composition	1	1	0
AH	Arts & Humanities	3	3	0
SS	Social Sciences	3	3	0
C	Culture	1	0	1
L	Language*	201 Level	0	201 Level
M	Mathematics	1	3	0
S	Science	1	1	0
SL	Science (plus lab)	1	1	0
PE	Physical Education	2	0	2

*Completion of a foreign language through the 201 level or demonstrated proficiency at that level. For example: completion of level 4 at high school level, AP, IB or CLEP credit or completion of a language through the 201 level at a regionally accredited college or university.