

## Program Articulation Agreement

**MDCC:** COMMUNITY COLLEGE OF BALTIMORE COUNTY      **Program:** COMPUTER SCIENCE (A.S.)

**Pursuing at UMBC:** INFORMATION SYSTEMS (B.S.)

The following (partner institution) courses have been approved by UMBC's Articulation Review Committee and the Academic Dean for transfer to UMBC. Their transferability and applicability to UMBC's general foundation and graduation requirements are subject to review and evaluation by the Articulation Review Committee. Where noted, course equivalencies have been indicated. Letter notations (AH), (C), (L), (MS), and (SS) indicate courses that may be applied to UMBC's general requirements.

(PARTNER INSTITUTION) COURSE NUMBER	COURSE TITLE	CREDITS	UMBC EQUIVALENCY	GENERAL EDUCATION REQUIREMENT	NOTES
<u>GENERAL REQUIREMENTS</u>					
SPCM 101	Fundamentals of Speech Communication	3	SPCM 100	AH	
ENGL 101	College Composition I	3	ENGL 100	EN	
ENGL 102	College Composition II	3	ENGL 102	AH	
MATH 251	Calculus I	4	MATH 151	M	
ARTS & HUMANITIES <sup>1</sup>		3	LLE	AH	
SOCIAL & BEHAVIORAL SCIENCE ECON 201	Principles of Economics II	3	ECON 102	SS	
SOCIAL & BEHAVIORAL SCIENCE <sup>1</sup>		3		SS	
BIOLOGICAL & PHYSICAL SCIENCES <sup>1</sup>		7-8	LLE	S/SL	
WELLNESS & HEALTH		3	LLE	SS	
INFORMATION TECHNOLOGY CINS 101	Introduction to Computers	3	IS 101	SS	
GLOBAL, HISTORICAL, & CULTURAL		2	LLE	SS/C	

PERSPECTIVES					
	Sub-total	37-38			
<u>MAJOR REQUIREMENTS</u>					
CMSC 201	Computer Science I for Majors	4	IS 147		
CMSC 202	Computer Science II for Majors	4	IS 247		
MATH 243	Discrete Math	4	CMSC 203		
MATH 252	Calculus II	4	MATH 152		
MATH 257	Linear Algebra	4	MATH 221		
	Sub-total	20			
<u>ELECTIVES (CHOOSE ONE COURSE FROM THIS LIST)</u>					
CINS142 or	Introduction to Linux/UNIX	3	LLE		
MATH153	Introduction to Statistical Methods	4	STAT121	M	
	Sub-total	3-4			
Total		60-62 <sup>2</sup>			

#### Legend

AH	Arts/Humanities
C	Culture
L	Language
LLE	Lower Level Elective
M	Mathematics
PE	Physical Education (institutional credit only)
S	Science
SL	Science (plus lab)
SS	Social Sciences

**Language/Culture Area:** All students must complete a foreign language through the 201 level. Students seeking a B.A. degree must complete two additional language/culture courses beyond the 201-level proficiency requirement. Note that if a student is required to take a 102-level course to obtain their 201-proficiency, they may apply the 102-level course towards the Language/Culture area. However, 101-level language course may only be applied towards the Language/Culture area if they are in a language other than the one in which the student has obtained a 201-level proficiency. Note: Students who successfully complete a foreign language through Level 4 or 5 in high school have fulfilled the 201-proficiency level requirement. Students should provide high school transcripts to UMBC for verification.

**Physical Education Area:** Two activity courses in Physical Education (unless waiver granted). PE credit does not count toward the 120 credits required for graduation.

<sup>1</sup>Students must consult ARTSYS ([www.caff.usmh.usmd.edu](http://www.caff.usmh.usmd.edu)) for courses meeting UMBC's Arts & Humanities and Social Sciences areas.

<sup>2</sup>A maximum of 60 semester hours will transfer from community colleges. Credits will be applied only up to this limit.