

# ARTICULATION AGREEMENT

The Community College of Baltimore County  
Associate of Arts Degree in  
Computer Science  
and  
Morgan State University  
Bachelor of Science Degree in  
Computer Science

This agreement is effective with new Morgan admits beginning in the Spring 2012

This agreement will remain in effect until Spring 2014

**For students following this agreement, the requirements listed below apply:**

1. Students must maintain a 2.0 cumulative grade point average in order to transfer at the 56-credit level or higher. Should students choose to transfer prior to completion of their associate's degree, they will be responsible for meeting MSU eligibility requirements.
2. ORNS 106-Freshman Orientation for Computer Science majors (1 credit course) is not required for transfer students who transfer a minimum of twenty-four (24) credits from the sending institution. However, if the student transfers with less than twenty-four (24) credits from the sending institution, the orientation class must be taken at MSU. Moreover, the transfer student still must complete a minimum of one hundred and thirty-four (134) credit hours to earn the Bachelor of Science in Computer Science.
3. Morgan State University does not guarantee the transferability of courses taken outside the guidelines within this articulated agreement.
4. In order to be eligible for admission, students must comply with all MSU admissions requirements, including posted deadlines and submission of appropriate documentation.
5. Should this articulation agreement concern a program with additional admissions requirements or prerequisite coursework, students must have met all standards prior to enrollment at MSU.
6. Students shall apply for admission to Morgan State University, indicating Computer Science as the intended major. Applications for admission can be obtained by contacting: the Office of Admission and Recruitment at (443) 885-3000 or [http://www.morgan.edu/Admissions/Undergraduate\\_Admissions/Transfer\\_Applications.html](http://www.morgan.edu/Admissions/Undergraduate_Admissions/Transfer_Applications.html). All required application materials must be supplied by the deadline.

7. Students will automatically be nominated for scholarships for which they are eligible. \*For priority scholarship consideration, students must complete their admission application by November 15<sup>th</sup> for fall admission.
8. Students shall contact the Transfer Coordinator for their major for an advisement appointment once they have been admitted to MSU. The required credit hours must be successfully completed before Morgan State University can grant the degree. Each student's last thirty (30) credit hours must be completed at MSU.

### **School-wide Requirements**

In addition to meeting the requirements in General Education and in the major, students must also complete six (6) credits in the Complementary Studies Program required of all majors in the School of Computer, Mathematical and Natural Sciences. Options for satisfying this requirement are outlined under the section on the School of Computer, Mathematical and Natural Sciences (in the MSU catalogue).

To qualify for graduation, students must pass the Senior Departmental Comprehensive Examination; must have taken all of their junior- and senior-level requirements in the major at Morgan (unless granted prior written permission by the Dean to take courses elsewhere); and must have earned a cumulative average of 2.0 or better and a major average of 2.0 or better, with no outstanding grades below "C" in the major (which includes all courses required for the major and required supporting courses).

**APPENDIX I-A: COURSE ARTICULATIONS**  
**The Community College of Baltimore County**  
**Associate of Arts Degree**  
**Computer Science**  
**and**  
**Morgan State University**  
**Bachelor of Science Degree**  
**Computer Science**

**Course by Course Equivalency**  
**(MSU Catalog 2010-2013; CCBC Catalog 2011-2012)**

The following pages indicate the course-to-course equivalency, including General Education, as agreed within the articulation agreements.

CCBC Course	Credits	MSU Equivalent	CCBC Notes	MSU Notes
ACDV 101	1	ORNS 106		
SPCM 101	3	SPCH 101	General Education Requirements	Satisfies Speech Proficiency
ENGL 101	3	ENGL 101		
ENGL 102	3	ENGL 102		
MATH 251	4	MATH 241		
*ARTS AND HUMANITIES	3	HUMA 201	General Education Electives	General Education Requirements
*(2) SOCIAL AND BEHAVIORAL SCIENCES (From two different disciplines)	6	HIST 101 & 102		
(2) BIOLOGICAL & PHYSICAL SCIENCES (ONE COURSE MUST INCLUDE A LAB)	7-8	BIOL 101& PHYS 205		
*WELLNESS AND HEALTH	3	HEED 100		
INFORMATION TECHNOLOGY	3	GENL 201		
DANC 147	3	PHEC XXX		
CSIT 210	4	COSC 111		
CSIT 211	4	COSC 112	Program Requirements	
MATH 243	4	COSC 281		
MATH 252	4	MATH 242		
MATH 257	4	MATH 312		
PROGRAM ELECTIVE	3-4	ELECTIVE		
<b>TOTAL</b>	<b>62-64</b>			

**\*Either the Arts and Humanities, Wellness and Health, or Social and Behavioral Sciences must be a CCBC Diversity Course**

**APPENDIX II-A: UPPER DIVISION REQUIREMENTS**  
**Computer Science (Catalog 2010 -2013)**

All transfer students will be required to take a minimum of 30 credits of upper division coursework at MSU. A minimum total of 134 credits are required for the degree.

Completion of the B.S. degree program in Computer Science requires students to successfully complete the following course work:

<b>General Education Requirements</b>			
<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Explanation</b>
PHIL 109	INTRO TO LOGIC	3	
HUMA 202	INTRO HUMANITIES II	3	
HIST 350	AFRICAN DIASPORA	3	
XXX SOC SCIENCE	SOC SCIENCE ELECTIVE	3	
XXX HUMANITIES	HUMANITIES ELECTIVE	3	
<b>Computer Science</b>			
COSC 237	ADVANCED PROGRAMMING	4	
COSC 241	COMPUTER SYSTEMS	3	
MATH 243	CALCULUS III	4	
COSC 220	DATA STRUCTURES	3	
COSC 243	COMP ARCHITECT	3	
COSC 352	PRIN PROG LANG	3	
COSC 354	OPERATING SYSTEMS	3	
MATH 340	DIFFERENTIAL EQUAT	3	
COSC 383	NUMERICAL METHODS	3	
COSC 385	AUTOMATA THEORY	3	
COSC 356	COMPILERS	4	
COSC 458	SOFTWARE ENGINEERING	3	
MATH 331	PROBS & STATS	3	
PHYS 206	GENERAL PHYSICS II	5	
COSC 460	COMPUTER GRAPHICS	3	
COSC 470	ARTIFICIAL INTEL	3	
COSC 490	SENIOR PROJECT	3	
<b>Electives (# Credits)</b>			
(2) 3XX	COMP SCI ELECTIVE I & II	6	
(2) XXX	COMPLEMENT STUD OPT	6	
<b>Total credits to be taken at MSU</b>		<b>83</b>	
<b>All students, including transfer students, are required to pass all Proficiency and Senior Level Comprehensive Departmental Examinations to be eligible for graduation</b>			

**APPENDIX IV-A: ACADEMIC ADVISING SHEET**  
**The Community College of Baltimore County**  
**(Catalog Year 2011-2012)**

Thank you for your interest in the articulated academic plan for the Bachelor of Science in Computer Science. Successful completion of this program will ensure a smooth transition to Morgan State University.

<b>Courses to take at Community College of Baltimore County:</b>					
<b>Course</b>	<b>Course Title</b>	<b>Credit</b>	<b>Completed</b>	<b>Grade Received</b>	<b>Grade Required</b>
ACDV 101	TRANSITIONING TO COLLEGE	1			D or better
SPCM 101	FUNDAMENTALS OF COMMUNICATION	3			C or better
ENGL 101	COLLEGE COMPOSITION I	3			C or better
ENGL 102	COLLEGE COMPOSITION II	3			C or better
MATH 251	CALCULUS I	4			C or better
*ARTS AND HUMANITIES	ARTS & HUMANITIES (General Education Courses)	3			D or better
*(2) SOCIAL AND BEHAVIORAL SCIENCES (From two different disciplines)	SOCIAL & BEHAVIORAL SCIENCES (General Education Courses)	6			C or better
(2) BIOLOGICAL & PHYSICAL SCIENCES (ONE COURSE MUST INCLUDE A LAB)	BIOLOGICAL & PHYSICAL SCIENCES (General Education Courses) One must include a lab	7-8			D or better
*WELLNESS AND HEALTH	WELLNESS & HEALTH (General Education Course) –	3			D or better
INFORMATION TECHNOLOGY	INFORMATION TECHNOLOGY (General Education Courses)	3			C or better
DANC 147	HIP HOP MOVEMENT If they choose	2			D or better
CSIT 210	INTRODUCTION TO PROGRAMMING	4			C or better
CSIT 211	ADVANCED PROGRAMMING	4			C or better
MATH 243	DISCRETE MATH	4			C or better
MATH 252	CALCULUS II	4			C or better
MATH 257	LINEAR ALEGEGRA	4			C or better
PROGRAM ELECTIVE	DCOM142, MATH153, CSIT 220 or CSIT 236	3-4			C or better
<b>Total</b>		62-64			

\*Either the Arts and Humanities, Social and Behavioral Sciences, or Wellness and Health must be a CCBC Diversity Course

**Application Deadlines:**

Fall Semester: Nov 15<sup>th</sup> priority / Feb 15<sup>th</sup> regular  
Spring Semester: January 15<sup>th</sup>

**Application fee:**

\$35 online / \$45 paper

**To be admitted you will need to have the following credits and grade point average (GPA) requirements:**

- 0-11 credits, a 3.0 GPA and meet high school requirements
- 12-23 credits, a 3.0 GPA and meet SAT requirements
- 24 or more credits, a 3.0 GPA

**For more information:**

Contact Office of Admission and Recruitment at 443-885-3000

Or visit online <http://www.morgan.edu>