

Addendum to Master Articulation Agreement

1. This Addendum supplements the Master Articulation Agreement entered into by Carroll Community College (Carroll) and University of Maryland, Baltimore County (UMBC) on the 25th day of March, 2019 (the "Agreement"). Capitalized terms shall have the meaning set forth in the Agreement. This Addendum shall terminate upon termination or expiration of the Agreement. In the event that the Agreement is renewed, or that the parties enter into a new Master Articulation Agreement, this Addendum shall continue in effect unless the parties explicitly state otherwise.
2. This Addendum establishes a Provisional Transfer Pathway in which students from the selected department, major, or track of Carroll may seamlessly transfer into the selected department, major, or track of UMBC.
3. The contacts for each party for all notices and other correspondence related to this Addendum are listed below:

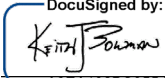
If to UMBC:

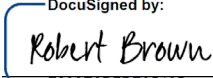
University of Maryland, Baltimore County
1000 Hilltop Circle
Baltimore, MD 21250
Attn: Nathan Fanning
Phone: 410-455-3818
Email: nfanning@umbc.edu

If to Carroll:

Carroll Community College
1601 Washington Road
Westminster, MD 21157
Attn: April Herring
Phone: 410-386-8435
Email: aherring@carrollcc.edu

4. For each department, major, or track of Carroll and department, major, or track of UMBC selected for a Transfer Pathway, both institutions agree that faculty representatives from both institutions will meet regularly to engage in ongoing discussion to enhance and strengthen this collaboration, and provide a Planning Guide attached hereto and incorporated herein which details a course of study at Carroll where course equivalencies, general education and major applicability are indicated.

DocuSigned by:

A3EA180BC855421...
Keith Bowman, PhD
Dean, College of Engineering and Information
Technology
University of Maryland, Baltimore County

DocuSigned by:

F202E6D7BE35465...
Robert Brown, PhD
Department Chair, Computer Science
Carroll Community College



Carroll Community College - Computer Science, A.A. (Pending MHEC Approval)
 UMBC - Computer Science, B.S.
 Catalog Year: 2022-2023



Carroll Community College				UMBC Equivalency		
CODE	TITLE	NOTES/RECOMMENDATIONS	Credits	Course	GEP	Credits
ENGL101	College Writing		3	ENGL100 - Composition	EN	3
ENGL102	Writing About Literature		3	Lower Level Elective - ENGL	AH	3
	Social and Behavioral Science		3		SS	3
	Social and Behavioral Science		3		SS	3
**Arts and Humanities		Foreign Language 101-Level	3		C	3
**Arts and Humanities		Foreign Language 102-Level	3		AH	3
*Biological and Physical Sciences (2)		BIOL101 + BIOL202 OR PHYS111 + PHYS212 OR CHEM105 + CHEM106	8	BIOL141 + BIOL142 + BIOL300L OR PHYS121 + PHYS122 + PHYS122L OR CHEM101 + CHEM102 + CHEM102L	S + SL	8
**General Education Elective		Foreign Language 201-Level	3		201L	3
General Education Elective		Social Science Recommended	3		SS	3
*MATH135	Calculus of a Single Variable I		4	MATH151 - Calculus I	M	4
*MATH136	Calculus of a Single Variable II		4	MATH152 - Calculus II		4
^CMSC201	Computer Science I		4	CMSC 201 - Computer Science I		4
^CMSC202	Computer Science 2		4	CMSC 202 - Computer Science II		4
*CMSC203	Discrete Structures		3	CMSC 203 - Discrete Structures		3
Computer Science Elective			3-4			3-4
Elective		MATH210 - Linear Algebra (4 credits) Recommended	3-4	MATH 221- Linear Algebra		4
Elective			3			3
Total Credits at Carroll Community College:			60 62	Transferrable credits to UMBC (Maximum 60):		60
Computer Science Specific Requirements:						
- Students who have more than two attempts in any course required to progress in the major will not be permitted to major in Computer Science at UMBC (a withdrawal is considered an attempt).						
- Students pursuing Computer Science are "Pre-Computer Science" majors until they have successfully completed the gateway requirements (CMSC 201 and CMSC 202 with grades of B or higher, and CMSC203 with a grade of C or higher) and finished one semester of enrollment at UMBC.						
* Course can be used to satisfy UMBC major requirements when completed with a "C" or better.						
^ CMSC 201 and CMSC 202 can be used to satisfy the Computer Science major requirements when completed with a "B" or better; other majors may allow a "C" or better						
** Foreign Language Requirement: The language requirement consists of completion of a foreign language through the 201 level or demonstrated proficiency at that level. The proficiency requirement is met by previous experience as follows: 1) completion of level 4 or higher of a language in high school, or 2) corresponding AP, IB or CLEP credit, or 3) completion of a language through the 201 level at a regionally accredited college or university.						
CODE	TITLE	PRE-REQUISITES		NOTES/RECOMMENDATIONS	GEP	CREDITS
CMSC304	Social and Ethical Issues in Information Technology				AH/WI	3
CMSC313	Computer Organization and Assembly Language Programming					3
CMSC331	Principles of Programming Language					3
CMSC341	Data Structures					3
CMSC411	Computer Architecture					3
CMSC421	Principles of Operating Systems					3
CMSC441	Design and Analysis of Algorithms					3
CMSC447	Software Engineering I					3
MATH221	Introduction to Linear Algebra			Replace with elective if Linear Algebra taken prior to transfer		3
STAT355 or STAT451						3-4
Lab Science (if needed)				Depending on Science sequence from above, may or may not need a lab		2-4
Computer Science Elective						3
Computer Science Elective						3
Technical Elective						3
Technical Elective						3
Technical Elective						3
Upper Level Elective						3
Elective						3
Elective						3
Elective						3
Elective (if needed)						0-3
Total credits at UMBC:						60-62
Total credits toward UMBC degree (minimum 120 credits):						120-122

Updated 5/31/2023