

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 1st day of November, 2018 (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 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, Ed.D.
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, provide a Program Articulation Pathway attached hereto and incorporated herein, 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.

William LaCourse

William LaCourse, Ph.D.
Dean
College of Natural and Mathematical Sciences
University of Maryland, Baltimore County

Raza Khan

Raza Khan, Ph.D.
Chair
Science
Carroll Community College

4 Year Program Articulation Pathway

Catalog 2021-2022

Biology, A.S.

Carroll Community College	Year 1	Fall Semester		Spring Semester	
		Course	Credits	Course	Credits
		*CHEM 105 - Principles of General Chemistry 1	4	*BIOL 101 - Fundamentals of Biology 1	4
MATH 123 - Precalculus Part 1: College Algebra with Trigonometry	4	*CHEM 106 - Principles of General Chemistry 2	4		
ENGL101 - College Writing 1	3	ENGL102 - Writing About Literature	3		
Social and Behavioral Science	3	*MATH132 - Applied Calculus	3		
		Elective	1		
	Total	14	Total	15	
Year 2	Fall Semester		Spring Semester		
	Course	Credits	Course	Credits	
	*BIOL 240 - Genetics	4	*BIOL 102 - Fundamentals of Biology 2	4	
*CHEM 201 - Organic Chemistry 1	5	CHEM 202 - Organic Chemistry 2	5		
Social and Behavioral Science	3	*BIOL 215 - Microbiology	4		
**Elementary Foreign Language I (Arts and Humanities)	3	**Elementary Foreign Language II (Arts and Humanities)	3		
	Total	15	Total	16	

Articulation Notes (BIOL B.A.):

*All courses must be completed with a grade of "C" or better to satisfy major requirements.

**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, 2) corresponding AP, IB or CLEP credit, or 3) completion of a language through the 201 level at another accredited college or university.

Residency Requirement: Half of the BIOL courses (four of eight) taken for the Biological Sciences B.A. degree must be taken at UMBC. Students transferring in more than four BIOL courses will be asked to take additional BIOL courses at UMBC to reach a total of four.

Students completing BIOL 101 and 102 at Carroll Community College transfer into UMBC with BIOL 141 (4 cr.), BIOL 142 (4 cr.), and BIOL 300L (0 cr.). The BIOL 300L transfer credit cannot be used towards the upper level credits needed for graduation, but will fulfill the BIOL B.A. degree requirement.

CHEM 202 (CCC)/CHEM 352 + 352L (UMBC) is not required for the UMBC BIOL B.A. degree, but may be taken for premed requirements and used toward UMBC's 45 upper level credit requirement; students can take BIOL 215 (CCC)/BIOL 375 (UMBC), which can be used as an "Elective 1" elective for the UMBC BIOL B.A. degree.

Biological Sciences, B.A.

UMBC	Year 3	Fall Semester		Spring Semester	
		Course	Credits	Course	Credits
		BIOL 303 - Cell Biology	4	BIOL "Elective 2"	4
STAT 350 - Statistics with Applications in Biological Sciences	4	PHYS 112 - Basic Physics II	3		
PHYS 111 - Basic Physics I	4	Culture GEP Requirement	3		
**Intermediate Foreign Language I	4	Arts and Humanities GEP Requirement	3		
	Total	16	Total	13	
Year 4	Fall Semester		Spring Semester		
	Course	Credits	Course	Credits	
	BIOL Upper Level Lab	2	BIOL Elective	3-4	
Social Science GEP Requirement	3	Upper Level Elective	4		
Upper Level Elective	4	Upper Level Elective	3		
Upper Level Elective	3	Elective (or Writing Intensive if needed)	3		
Elective	3	Elective	3		
	Total	15	Total	16-17	

With questions at Carroll Community College, contact Gregory Leppert at gleppert@carrollcc.edu

With questions at UMBC, contact Nichole Zang Do at zang.do@umbc.edu

Updated: 9/28/2021

Carroll Community College - Biology A.S.
UMBC - Biological Sciences, B.A.
Catalog Year: 2021-2022

Carroll Community College				UMBC Equivalency		
CODE	TITLE	NOTES/RECOMMENDATIONS	Credits	Course	GEP	Credits
*CHEM-105 & *CHEM-106			8	CHEM 101 + CHEM 102 + CHEM 102L	S+SL	8
*BIOL-101 & *BIOL-102		BIOL-102 course number changing to BIOL-202 in Spring 2022	8	BIOL 141 + BIOL 142 + BIOL 300L	S+SL	8
*CHEM-201	Organic Chemistry 1		5	CHEM 351 + CHEM 351L	SL	5
CHEM-202	Organic Chemistry 2		5	CHEM 352 + CHEM 352L	SL	5
*BIOL-215	Microbiology		4	BIOL 375 - Microbiology		4
*BIOL-240	Genetics		4	BIOL 302 - Molecular and General Genetics		4
ENGL-101	College Writing		3	ENGL 100 - Composition	EN	3
ENGL-102	Writing About Literature		3	ENGL 210 - Introduction to Literature	AH	3
**Elementary Foreign Language I (Arts and Humanities)			3	Introductory Foreign Language I	AH	3
**Elementary Foreign Language II (Arts and Humanities)			3	Introductory Foreign Language II	C	3
Social & Behavioral Science			3		SS	3
Social & Behavioral Science			3		SS	3
*MATH-132	Applied Calculus		3	MATH 155 - Applied Calculus	M	3
MATH-123	Precalculus I: College Algebra with Trigonometry		4	MATH 106 - College Algebra	M	4
Elective			1			1
Total Credits at Carroll:			60	Transferrable credits to UMBC (Maximum 60):		60
* Course can be used to satisfy UMBC major requirements when completed with 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.						
Residency Requirement: Half of the BIOL courses (four of eight) taken for the Biological Sciences B.A. degree must be taken at UMBC. Students transferring in more than four BIOL courses will be asked to take additional BIOL courses at UMBC to reach a total of four.						
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CODE	TITLE	PRE-REQUISITES		NOTES/RECOMMENDATIONS	GEP	CREDITS
BIOL 303	Cell Biology					4
STAT 350	Statistics w/ Applications in Bio. Sci.					4
BIOL Lab Elective		BIOL 300L; see catalog for other pre-requisites		See catalog for list of options.		2
BIOL Elective 2		BIOL 303; see catalog for other pre-requisites		See catalog for list of options.		4
BIOL Elective				To meet residency requirement		3-4
PHYS111	Basic Physics I					4
PHYS112	Basic Physics II					4
**Intermediate Foreign Language I					201L	4
Arts and Humanities GEP Requirement					AH	3
Social Science GEP Requirement					SS	3
Culture GEP Requirement					C	3
Writing Intensive					WI	3
Elective						6
Upper Level Elective						13
Total credits at UMBC:						60-61
Total credits toward UMBC degree (minimum 120 credits):						120-121

Last Updated:

9/28/2021