

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 2020-2021

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
		MATH130 - Precalculus (Recommended)	5	*CHEM 106 - Principles of General Chemistry 2	4
		ENGL101 - College Writing 1	3	ENGL102 - Writing About Literature	3
	Social and Behavioral Science	3	*MATH 135 - Calculus of a Single Variable 1	4	
	Total	15	Total	15	
	Year 2	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	3	
**Elementary Foreign Language I (Arts and Humanities)		3	**Elementary Foreign Language II (Arts and Humanities)	3	
Total	15	Total	15		

Articulation Notes (BIOL B.S.):

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

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

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.S. degree requirement.

CHEM 202 (CCC)/ CHEM 352 + 352L (UMBC) is not required for the UMBC BIOL B.S. degree, but can be used as a "Column B" elective for that degree; or students can take BIOL 215 (CCC)/BIOL 375 (UMBC), which can be used as a "Column A" elective for the UMBC BIOL B.S. degree.

**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.

Biological Sciences B.S.					
UMBC	Year 3	Fall Semester		Spring Semester	
		Course	Credits	Course	Credits
		BIOL 303 - Cell Biology	4	BIOL "Column A" or "Column B" Elective	4
		STAT 350 - Statistics with Applications in Biological Sciences	4	MATH/STAT/CMSC Elective	3-4
		PHYS 111 or PHYS 121	4	PHYS 112 or PHYS 122	4
	Intermediate Foreign Language I	4	Arts and Humanities GEP Requirement	3	
	Total	16	Total	14-15	
	Year 4	Course	Credits	Course	Credits
		BIOL Upper Level Lab elective	2	BIOL Elective "Column B 4XX"	4
		BIOL Elective	4	BIOL Upper Level Lab elective	2
Social Science GEP Requirement		3	Upper Level Elective	3	
Upper Level Elective		3	Elective (or Writing Intensive if needed)	3	
Elective	3	Elective	3		
Total	15	Total	15		

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: 4/13/2021

Carroll Community College - Biology A.S.
UMBC - Biological Sciences, B.S.
Catalog Year: 2020-2021

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		3	BIOL 375 - Microbiology		3
*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-135	Calculus of a Single Variable I		4	MATH 151 - Calculus and Analytic Geometry I	M	4
MATH-130	Precalculus	Recommended	5	MATH 150 - Precalculus	M	5
			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 (six of eleven) taken for the Biological Sciences B.S. degree must be taken at UMBC. Students transferring in more than six BIOL courses will be asked to take additional BIOL courses at UMBC to reach a total of six.						
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.S. degree requirement.						
CHEM 202 (CCC)/ CHEM 352 + 352L (UMBC) is not required for the UMBC BIOL B.S. degree, but can be used as a "Column B" elective for that degree; or students can take BIOL 215 (CCC)/BIOL 375 (UMBC), which can be used as a "Column A" elective for the UMBC BIOL B.S. degree.						
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 1		BIOL 300L; see catalog for other pre-requisites		See catalog for list of options.		2
BIOL Lab Elective 2		See catalog.		See catalog for list of options.		2
BIOL 400-level Column B Elective		BIOL 303; see catalog for other pre-requisites		See catalog for list of options.		4
MATH/STAT/CMSC Elective		See catalog.		See catalog for list of options.		3-4
BIOL Column A or B Elective						4
BIOL Elective				To meet residency requirement		4
*PHYS 111 or 121						4
*PHYS 112 or 122						4
Arts and Humanities GEP Requirement					AH	3
Social Science GEP Requirement					SS	3
Writing Intensive					WI	3
Intermediate Foreign Language 1					201L	3
Upper Level Elective						3
Upper Level Elective						3
Elective						3
Elective						3
Elective						3
Total credits at UMBC:						62-63
Total credits toward UMBC degree (minimum 120 credits):						122-123

Last Updated:

4/13/2021