

CARROLL 4 Year Program Articulation Pathway W UMBC

Catalog 2019-2020

Physical Science,	Chemistry, A.S.
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	Fall Semester		Spring Semester		
	Course	Credits	Course	Credits	
-	*CHEM105 - Principles of General Chemistry I	4	*CHEM106 - Principles of General Chemistry II	4	
ar	ENGL101 - College Writing	3	ENGL102 - Writing About Literature	3	
Ye	*BIOL101 - Fundamentals of Biology I	4	*MATH136 - Calculus of a Single Variable II	4	
	*MATH135 - Calculus of a Single Variable I	4	**Elementary Foreign Language I (Arts and Humanities)	3	
	Total	15	Total	14	
	Course	Credits	Course	Credite	
2	*CHEM201 - Organic Chemistry I	5	*CHEM202 - Organic Chemistry 2	5	
5	*PHYS111 - Physics I for Scientist & Engineers	4	*PHYS212 - Physics 2 for Scientist & Engineers	4	
ea	Social & Behavorial Science	3	Social & Behavorial Science	3	
>	**Elementary Foreign Language II (Arts and Humanities)	3	Elective	4	

Articulation Notes:

* 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.

Chemistry, B.A.						
		Fall Semester		Spring Semester		
	Year 3	Course	Credits	Course	Credits	
		CHEM300 - Analytical Chemistry I	4	CHEM302 - Physical Chemistry 2	3	
		CHEM301 - Physical Chemistry I	4	Elective	3	
		CHEM311L - Advanced Laboratory I	3	CHEM405 - Inorganic Chemistry	3	
\mathbf{C}		**Intermediate Foreign language I	3	Arts and Humanities GEP Requirement	3	
UMB(Elective	3	
		Total	14	Total	15	
		Course	Credits	Course	Credits	
		Elective	3	Elective	4	
	4	Chem Biochemistry Elective or other Elective	3	Chem Biochemistry Elective or other Elective	3	
	Year	Social Science GEP Requirement	3	Elective	3	
		Elective	3	Elective	3	
		Elective or Research	3	Elective or Research	3	
		Total	15	Total	16	

With questions at Carroll Community College, contact Sithy Maharoof at smaharoof@carrollcc.edu or 410-386-8290

With questions at UMBC, contact Paul Smith at pjsmith@umbc.edu at 410-455-2519

Updated: 9/22/2020

Carroll Community College - AS in Physical Science, Chemistry UMBC - Chemistry B.A Catalog Year: 2019-2020							
	Carroll Community College		UMBC Equivalency				
CODE	TITLE	Credits	Course	GEP	Credits		
*CHEM-105 8	*CHEM-106	8	CHEM 101 + CHEM 102 + CHEM 102L	S+SL	8		
ENGL-101	College Writing	3	ENGL 100 - Composition	EN	3		
*BIOL-101	Fundamentals of Biology 1	4	BIOL 141 - Foundations of Biology I	S	4		
*MATH-135	Calculus of a Single Variable 1	4	MATH 151 - Calculus and Analytic Geometry	М	4		
ENGL-102	Writing About Literature	3	ENGL 210 - Introduction to Literature	AH	3		
*MATH-136	Calculus of a Single Variable 2	4	MATH 152 - Calculus and Analytic Geometry	М	4		
**Elementary Foreign Language I (Arts and Humanities)		3	Introductory Foreign Language I	AH	3		
*CHEM-201	Organic Chemistry 1	5	CHEM 351 + CHEM 351L	SL	5		
*PHYS-111	Physics 1 For Scientists And Engineers	4	PHYS 121 - Introductory Physics I	S	4		
Social & Behavioral Science		3		SS	3		
**Elementary Foreign Language II (Arts and Humanities		3	Introductory Foreign Language II	С	3		
*CHEM-202	Organic Chemistry 2	5	CHEM 352 + CHEM 352L	SL	5		
*PHYS-212	Physics 2 For Scientists And Engineers	4	PHYS 122 - Introductory Physics II	S	4		
Elective		4			4		
Social & Behavioral Science		3		SS	3		
Т	otal Credits at Carroll Community College:	60	Transferrable credits to UMBC (Max	imum 60):	60		
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regionally accredited college or university							