

Biological Sciences, A.S.

Montgomery College	0-30 credits	Course	Credits	Course	Credits
		*CHEM131 - Principles of Chemistry I	4	*BIOL150 - Principles of Biology I	4
*MATH181 - Calculus I	4	*CHEM132 - Principles of Chemistry II	4		
Behavioral and Social Sciences Distribution	3	Program Elective (^PHYS161 or *PHYS203 rec)	3-4		
ENGL101 or English Foundation	3	English Foundation or Elective	3		
		Humanities Distribution	3		
	Total	14	Total	17-18	
Montgomery College	31-60 credits	Course	Credits	Course	Credits
		*BIOL151 - Principles of Biology II	4	*BIOL222 - Principles of Genetics	4
COMM108 or COMM112	3	Program Elective (*BIOL230 recommended)	4		
Program Elective (^PHYS262 or *PHYS204 rec)	4	Behavioral and Social Sciences Distribution	3		
Arts Distribution	3	Elective	3		
		Elective	0-1		
	Total	14	Total	14-15	

Articulation Notes:

* Course can be used to satisfy major requirements when completed with a "C" or better

** Physical Activity Courses are counted toward Institutional Requirement at UMBC and as such, credits are not counted toward graduation

^ Course can be used to satisfy major requirements when completed with a "C" or better. Students should be aware that **PHYS161/262** sequence may not satisfy some professional school admission requirements

Physical Education: UMBC students must take two **physical activity** courses in addition to their 120 academic credits required for graduation. Therefore, students may transfer 2 physical activity courses in addition to their 60 transferrable credits toward the degree. Waivers are available for students 30 years of age or older, documented military history, or medical condition.

Foreign Language Requirement: The language requirement consists of completion of a foreign language through the 201 level or demonstrated proficiency at that level. Proficiency, the number of courses needed to complete the requirement, and course placement, are determined 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 a regionally accredited college or university.

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UMBC	Year 3	Fall Semester		Spring Semester	
		Course	Credits	Course	Credits
		STAT350 - Statistics with Applications in the Biological Sciences	4	Biology Elective "A" Requirement	3-4
		CHEM351 - Organic Chemistry I	3	Biology Upper Level Lab Elective	2
		CHEM351L - Organic Chemistry Laboratory I	2	Social Sciences GEP Requirement	3
		Culture GEP Requirement	3	Foreign Language or Elective	3-4
		Foreign Language or Elective	3-4	Upper Level Elective	3
		Total	15-17	Total	14-16
UMBC	Year 4	Course	Credits	Course	Credits
		Biology Elective "B" Requirement	3-4	Biology Elective "A" or "B" Requirement	3-4
		Biology Upper Level Lab Elective	2	Biology Elective "B" Requirement (400-Level)	3-4
		Writing Intensive (Upper Level Elective)	3	Upper Level Elective/Research	3
		Upper Level Elective/Research	3	Math, Statistics, or Computer Science Elective	3-4
		Foreign Language or Elective	3-4	Upper Level Elective	3
		Elective (if needed)	0-3	**Physical Education	1.5
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		Total	17	Total	15-18

With questions at MC contact Dr. Antonio Del Castillo-Olivares at antonio.delcastillo-olivares@montgomerycollege.edu or 240-567-5406

With questions at UMBC contact Philip Farabaugh at farabaug@umbc.edu or 410-455-3018