

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
	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

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

** **Physical Education:** UMBC students must take two physical activity courses in addition to the 120 academic credits required for graduation. Credits earned for physical activity courses are not counted toward the 120 academic credits. Therefore, students may transfer 2 physical activity courses in addition to the 60 transferrable academic credits. Waivers are available for medical reasons, military service, or collegiate athletic participation.

*** **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.

^ 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.

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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
	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
		**Physical Education	1.5		
		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