

Atlanta Metropolitan State College
 Bachelor of Science in Biological Science
 Degree Program Map

Freshman Year									
	Fall Semester					Spring Semester			
	Course #	Course Name	Credit Hours	Prereq	Course #	Course Name	Credit Hours	Prereq	
Area A Essential Skills	ENGL 1101+ Math 1113	English Composition I Pre-Calculus	3 3	 	ENGL 1102 +	English Composition II	3		Freshman Year Total Credit Hours
Area B AMSC Institutional Requirement					AMIR 1001	Thinking, Learning and Communicating in Contemporary Society	4		
Area C Humanities & Fine Arts									
Area D Science, Math. & Technology					MATH 2101	Calculus I	4		
Area E Social Sciences	POLS 1101	American Government	3		HIST 2111/2112	United States History I/II	3		
Area F Program of Study Courses	BIOL 1107/BLAB1107	Principles of Biology I + Lab	4		BIOL 1108/BLAB1108	Principles of Biology II + Lab	4		
Additional Requirements									
	Total Hours		13		Total Hours		18		31

Sophomore Year									
	Fall Semester					Spring Semester			
	Course #	Course Name	Credit Hours	Prereq	Course #	Course Name	Credit Hours	Prereq	
Area A Essential Skills									Sophomore Year Total Credit Hours
Area B AMSC Institutional Requirement									
Area C Humanities & Fine Arts	Fine Arts Elective		3		Humanities Elective		3		
Area D Science, Math. & Technology	PHYS1111/PLAB1 111	General Physics + Lab	4	 	PHYS1112/PLAB111 2	General Physics II + Lab	4		
Area E Social Sciences	PSYC 1101	Introduction to Psychology	3		POLS 2401	Global Issues	3		
Area F Program of Study Courses	CHEM1211/CLAB 1211	General Chemistry I + Lab	4	 	CHEM1212/CLAB121 2	General Chemistry II + Lab	4		
Additional Requirements									
	Total Hours		14		Total Hours		14		28

Note: *This program map is to be used as a general guide—it does not guarantee course availability.*



Must take prerequisite before enrolling
 + Minimum grade of "C" required















Course serves as a prerequisite
















* Recommended Elective

** Elective selected in consultation with academic advisor

Junior Year

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	Fall Semester				Spring Semester				
	Course #	Course Name	Credit Hours	Prereq	Course #	Course Name	Credit Hours	Prereq	
Area G 3000 & 4000 Level Courses	CHEM2241/CLAB 2241	Organic Chemistry I + Lab	4	 	BIOL 4001 or 4002	Undergraduate Research I or Biology Seminar I	1	 	Junior Year Total Credit Hours
	BIOL 3011	Principles of Microbiology	4		BIOL 4011	Vertebrate Physiology	4		
	BIOL 3245	Research Design and Instrumentation	3		BIOL 4201	Cell Biology	4		
	BIOL 3009	Comparative Anatomy	4		CHEM2242/CLAB224 2	Organic Chemistry II + Lab	4		
	BIOL 3205	Biostatistics	3			Biological Science Elective (Choose ONE)			
					BIOL 2225	Invertebrate Zoology	4		
					BIOL 3111	Field Ecology	4		
	Total Hours			18		Total Hours	17		

Senior Year									
	Fall Semester				Spring Semester				
	Course #	Course Name	Credit Hours	Prereq	Course #	Course Name	Credit Hours	Prereq	
Area G 3000 & 4000 Level Courses	BIOL 4003/4004	Undergraduate Research II or Biology Seminar II	1		BIOL 4005/4006	Undergraduate Research III or Biology Seminar III	1		Senior Year Total Credit Hours
	BIOL 4205	Biochemistry	3		BIOL 4211	Genetics	3		
	BIOL 4000	Molecular Biology	4			Restricted Electives (Choose ONE)			
		Biological Science Elective (Choose TWO)	3		Biol 4207	Medical Microbiology	4		
	BIOL 4203	Neurobiology	3		BIOL 4209	Biotechnology	4		
	BIOL 3117	Virology	3		BIOL 3007	Embryology	4		
	BIOL 4010	Evolution	3			Biological Science Elective (Choose ONE)			
	BIOL 2203	Plant Science	3		BIOL 3114	Principles of Immunology	3		
					BIOL 3003	Marine Biology	3		
					BIOL 3113	Nutrition	3		
Total Hours			14		Total Hours	12		26	



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