



**Sample 4 Year Plan
Bachelor of Science
Biology
Medical, Cellular, and Molecular Biology Concentration**

	Fall Semester			Spring Semester			
	Course Information	Credit Hrs		Course Information	Credit Hrs		
First Year	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3	
	AP	ENGL 1010 – English Composition I	3	AP	History Core	3	
	AP	COMM 2045 – Public Speaking	3	AP	BIOL 1120/1121 – General Biology II w/lab	4	
	AP	History Core	3	AP	MATH 1730 – Precalculus or MATH 1910 – Calculus and Analytical Geometry	4	
	AP	BIOL 1110/1111 – General Biology I w/lab	4				
	TOTAL SCH		14		TOTAL SCH		14

	Fall Semester			Spring Semester			
	Course Information	Credit Hrs		Course Information	Credit Hrs		
Second Year		BIOL 3000/3001 – Biological Methods w/lab	4		CHEM 1120/1121 – General Chemistry II w/lab	4	
		General Elective	4	AP	General Elective	4	
		BIOL 3130/3131 – Genetics w/lab	4		BIOL 3050/3051 – General Microbiology w/lab OR BIOL 3060/3061 – Zoological Diversity w/lab OR BIOL 3070/3071 – Botanical Diversity w/lab OR BIOL 3330/3331 – Principles of Evolution w/lab	4	
		CHEM 1110/1111 – General Chemistry I w/lab	4	AP	ENGL 2330 – Topics in World Literature	3	
		TOTAL SCH		16		TOTAL SCH	

	Fall Semester			Spring Semester			
	Course Information	Credit Hrs		Course Information	Credit Hrs		
Third Year		BIOL 3050/3051 – General Microbiology w/lab OR BIOL 3060/3061 – Zoological Diversity w/lab OR BIOL 3070/3071 – Botanical Diversity w/lab OR BIOL 3330/3331 – Principles of Evolution w/lab	4		General Elective	4	
		BIOL 4440/4441 – Cell and Molecular Biology w/lab	4		BIOL 3000 or 4000 level elective	4	
	AP	Humanities and Fine Arts Core	3	AP	Social and Behavioral Sciences Core	3	
		General Elective	4		General Elective	4	
		TOTAL SCH		15		TOTALSCH	

	Fall Semester			Spring Semester			
	Course Information	Credit Hrs		Course Information	Credit Hrs		
Fourth Year		General Elective	4		Biology 3000 or 4000 Level Elective	4	
		General Elective	4		Humanities and Fine Arts Core	3	
		Social and Behavioral Sciences Cores	3		General Elective	3	
		BIOL 4110/4111 – Animal Physiology w/lab*** OR BIOL 3000 or 4000 Level Elective	4		BIOL 4160/4161 – Human Physiology*** OR BIOL 3000 or 4000 Level Elective	4	
					General Elective	2	
	TOTAL SCH		15		TOTAL SCH		16

*AP designates General Education Core Course to be completed for your degree.

**Bachelor degrees require the completion of 33 upper division (3000 – 4999) credit hours.

*** Please note, the Medical, Cellular, and Molecular concentration in Biology requires the completion of either Animal Physiology (Fall semester) or Human Physiology (Spring Semester). Should you choose to complete the Animal Physiology, an elective course will be completed in the Spring. Should you choose to complete the Human Physiology, an Elective would be completed in the Fall.