



Sample 4 Year Plan
Bachelor of Science Medical Laboratory Science
Biomedical Science 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	Social Science Core	3
	AP	MATH 1730 – Precalculus	4	AP	BIOL 1120/1121 – General Biology II w/lab or BIOL 2020/2021 – Human Anatomy & Physiology II w/lab	4
	AP	BIOL 1110/1111 – General Biology I w/lab or BIOL 2010/2011 – Human Anatomy & Physiology I w/lab	4	AP	COMM 2045 – Public Speaking	3
	TOTAL SCH		12		TOTAL SCH	

	Fall Semester			Spring Semester		
	Course Information	Credit Hrs		Course Information	Credit Hrs	
Second Year	AP	ENGL 2330 – Topics in World Literature	3		CHEM 1120/1121 – General Chemistry II w/lab	4
	AP	History Core	3	AP	Fine Arts Core	3
		BIOL 2300/2301 – Principles of Microbiology	4	AP	History Core	3
		CHEM 1110/1111 – General Chemistry I w/lab	4		BIOL 3130/3131 Genetics w/Lab	4
	TOTAL SCH		14		TOTAL SCH	

	Fall Semester			Spring Semester		
	Course Information	Credit Hrs		Course Information	Credit Hrs	
Third Year		CHEM 3500/3501 – Brief Organic Chemistry w/lab or CHEM 3510/3511 – Organic Chemistry I w/lab	4		CHEM 4300/4301 – Brief Biochemistry w/lab or CHEM 3520/3521 – Organic Chemistry II w/lab	4
		MTEC 3910/3911 – Fundamentals of Hematology w/lab	4		MTEC 3760/3761 – Immunology and Serology w/lab	4
	AP	Social Science core	3		MTEC 3940/3941 – Fundamentals of Clinical Analysis w/lab	4
	AP	Fine Arts Core	3		Guided Elective	4
		Guided Elective	3		RLTN 2050 - Medical Terminology	1
	TOTAL SCH		18		TOTALSCH	

	Fall Semester			Spring Semester		
	Course Information	Credit Hrs		Course Information	Credit Hrs	
Fourth Year		Guided Elective	4		CHEM 3220/3221 – Instrumental Analysis w/lab	4
		MTEC 4920 – Molecular Diagnostics	3		BIOL 4440/4441 – Cell and Molecular Biology w/lab	4
		MATH 1530 - Elements of Statistics	3		BIOL 4160/4161 – Human Physiology w/lab	4
		CHEM 4140 - Chemical and Laboratory Safety	3		Guided Elective	4
		Guided Elective	3		Research Guided Elective	2
	TOTAL SCH		18		TOTAL SCH	

*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.