



**Sample 4 Year Plan**  
**Bachelor of Science Medical Laboratory Science**  
**MLT to MLS Concentration**

	Fall I Semester		Credit Hrs	Spring I Semester		
	Course Information			Course Information		
<b>First Year</b>	AP	UNIV 1000 – University Success	1	AP	ENGL 1020 – English Composition II	3
	AP	ENGL 1010 – English Composition I	3	AP	COMM 2045 – Public Speaking	3
	AP	MATH 1730 – Precalculus	4	AP	BIOL 2020/2021 – Human Anatomy and Physiology II w/lab	4
	AP	BIOL 2010/2011 – Human Anatomy & Physiology I w/lab	4	AP	Social and Behavioral Sciences Core	3
		Elective	3		Elective	3
		<b>TOTAL SCH</b>	<b>15</b>		<b>TOTAL SCH</b>	<b>16</b>

	Fall I Semester		Credit Hrs	Spring I Semester		
	Course Information			Course Information		
<b>Second Year</b>	AP	ENGL 2330 – Topics in World Literature	3		CHEM 1120/1121 – General Chemistry I w/lab	4
	AP	History Core	3	AP	History Core	3
		BIOL 2300/2301 – Principles of Microbiology Or BIOL 3730/3731 – Medical Microbiology w/lab	4		Elective	4
		CHEM 1110/1111 – General Chemistry I w/lab	4	AP	Humanities and Fine Arts Core	3
		<b>TOTAL SCH</b>	<b>14</b>		<b>TOTAL SCH</b>	<b>14</b>

	Fall I Semester		Credit Hrs	Spring I Semester		
	Course Information			Course Information		
<b>Third Year</b>		CHEM 3500/3501 – Brief Organic Chemistry w/lab	4		MTEC 3940/3941 – Fundamentals of Clinical Analysis w/lab	4
	AP	Humanities and Fine Arts Core	3		CHEM 4300/4301 – Brief Biochemistry w/lab	4
	AP	Social and Behavioral Science Core	3		Elective	4
		MTEC 3910/3911 – Fundamentals of Hematology w/lab	4		Elective	4
		<b>TOTAL SCH</b>	<b>14</b>		<b>TOTAL SCH</b>	<b>16</b>

	Fall I Semester		Credit Hrs	Spring I Semester		Summer Semester		
	Course Information			Course Information		Course Information		
<b>Fourth Year</b>		BIOL/MTEC 3760 Immunology & Serolog	3		MTEC 4730 – Diagnostic Microbiology I	3	MTEC – 4980 – Diagnostic Microbiology II	3
		MTEC 4750 – Management, Research, & Education Seminar	3		MTEC 4910 – Hematology	3	MTEC 4930 – Board of Certification Review	3
		MTEC 4920	3		MTEC 4950 – Immunohematology	3		
		MTEC 4970 – Clinical Analysis II	3		MTEC 4940 – Clinical Analysis I	3		
		<b>TOTAL SCH</b>	<b>12</b>		<b>TOTAL SCH</b>	<b>12</b>	<b>TOTAL SCH</b>	<b>6</b>

\*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.

**Group A: MTEC Elective Options**

- BIOL 3130/3131 – Genetics w/lab
- BIOL 4440/4441 – Cell and Molecular Biology w/lab
- BIOL 4450/4451 – Biotechnology w/lab
- MTEC 4920 – Molecular Diagnostics