

**SCHEME OF STUDIES FOR**  
**BS MEDICAL LABORATORY TECHNOLOGY (4 Years Degree Program)**

<b>Semester/ Year</b>	<b>Name of Subject</b>	<b>Credits</b>
<b>First</b>	Biochemistry-i	3+1
	Human physiology-i	3+1
	Human anatomy-i	3+1
	English-i	2+0
	Pak studies	2+0
	Behaviorial sciences	1+1
		<b>18</b>
<b>Second</b>	Biochemistry-ii	3+1
	Human physiology-ii	3+1
	Human anatomy-ii	3+1
	English-ii	2+0
	Islamic studies	2+0
		<b>16</b>
<b>Third</b>	General pathology-i	2+1
	G. Pharmacology-i	2+1
	Clinical bacteriology	2+1
	Haematology-i	2+1
	Human genetics	2+1
	Communication skills	2+0
	Medical microbiology-I (for non-MLT students)	2+1
		<b>17</b>
<b>Fourth</b>	General pharmacology-ii	2+1
	General pathology-ii	2+1
	RBCS disorders	2+1
	Clinical virology and mycology	2+1
	Chemical pathology	2+1

	Computer skills	2+0
	Hematology-ii (non MLT students)	2+1
	Medical microbiology-ii (non MLT students)	2+1
		<b>17</b>
<b>Fifth</b>	Wbcs and platelets Disorders	2+1
	Histopathology	2+1
	Bioinformatics	1+2
	Clinical parasitology	2+1
	Clinical pathology	2+1
	Biotechnology	1+1
		<b>17</b>
<b>Sixth</b>	Medical laboratory Instrumentations	2+1
	Biostatistics	2+1
	Immunology & serology	2+1
	Research methodology	2+1
	Blood banking	2+1
	Advances in medical lab. Technology	1+1
		<b>17</b>
<b>Seventh</b>	Medical laboratory Management skills	2+1
	Fundamental of infection Control	1+1
	Molecular biology	2+1
	Epidemiology	2+0
	Systemic diagnostic bacteriology	2+1
	Cytology and cytogenetics	2+1
		<b>16</b>
<b>Eight</b>	Research project	6
	Seminar	1+0
	Medical sociology	2+1
	Bioethics	1+1
		<b>12</b>

	<b>TOTAL CREDIT HOURS</b>	<b>130</b>
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**Total credit hours= 130**

**HE recommendation=124-136**