

## Clinical Laboratory Sciences (CLS)

Course Title	Course Name	Credit Hrs	Pre-Req
<b>Semester 1</b>			
ENG-301	ENGLISH FOUNDATION	2	
SOC-303	SOCIOLOGY BASIC	2	
ANAT-305	ANATOMY	3	
MEDTR-307	MEDICAL TERMINOLOGY	2	
PHYS-309	PHYSIOLOGY	3	
ISLAM-311	ISLAMİYAT	2	
		<b>14</b>	
<b>Semester 2</b>			
MICRO-302	Microbiology & Infection Control	3	
BIO-304	Biochemistry	3	
PSYCH-306	Psychology Basic	2	
CS-308	Computer Skills	2	
MT (CLS)-310	Introduction To Clinical Pathology-I	3	
PAK-STD-312	Pakistan Studies	2	
		<b>15</b>	
<b>Semester 3</b>			
PHARM-401	Pharmacology	3	
MT (CLS)-403	Introduction To Clinical Pathology-ii	3	
MT (CLS)-405	Principles And Procedure Of Clinical Pathology-I	3	
MT (CLS)-407	Clinical Chemistry-I	3	
MT (CLS)-409	Laboratory Mathematics	2	
MT (CLS)-411	Clinical Practicum Clinical Pathology	6	
		<b>20</b>	
<b>Semester 4</b>			
MT (CLS)-402	Introduction To Histopathology-I	3	

MT (CLS)-404	Body Fluid Analysis	3	
MT (CLS)-406	Quality Assurance	2	
MT (CLS)-408	Hematology-I	3	
MT (CLS)-410	Principles And Procedures Of Clinical Pathology-Ii	3	
MT (CLS)-412	Clinical Practicum Clinical Pathology	6	
		<b>20</b>	
<b>Semester 5</b>			
RMP-501	Research Methods And Principles I	3	
MT (CLS)-503	Clinical Chemistry-ii	3	
MT (CLS)-505	Immunology-I	3	
MT (CLS)-507	Hematology-ii	3	
MT (CLS)-509	Clinical Practicum Clinical Pathology	6	
		<b>18</b>	
<b>Semester 6</b>			
RMP-502	Research Methods And Principles Ii	3	
DM-504	Diagnostic Micro-I	3	
MT (CLS)-506	Immunoematology	3	
MT (CLS)-508	Histopathology-ii	3	
MT (CLS)-510	Immunology-ii	2	
MT (CLS)-512	Clinical Practicum Clinical Pathology	6	
		<b>20</b>	
<b>Semester 7</b>			
BIOSTAT-601	Biostatistics	3	
CD-603	Clinical Diagnostics	2	
DM-605	Diagnostic Micro-ii	3	
MT (CLS)-607	Transfusion Medicine	3	
MT (CLS)-609	Molecular Biology & Genetics	4	
MT (CLS)-611	Clinical Practicum Clinical Pathology	6	
		<b>19</b>	

<b>Semester 8</b>			
HM-602	Health Care Management	3	
RA-604	Research Articles	3	
MT (CLS)-606	Advance Clinical Pathology Icp-iii	3	
MT (CLS)-608	Clinical Practicum Clinical Pathology	6	
		<b>15</b>	
		<b>143</b>	