

# SYLLABUS FOR THE BACHELOR OF MEDICAL LABORATORY TECHNOLOGY (BMLT) COURSE

Category definition with credit breakup

Semester	Credit						
	CC	DSE	GE	AECC	SEC	USC	Total/Sem
First	12		4	2		2	20
Second	12	6	4	2	1	2	27
Third	12	6	4	2	1	2	27
Fourth	12	6	4	2	1	2	27
Fifth	18	6			1		25
Sixth	24						24
Total Credit/ Course	90	24	16	8	4	8	
Total Credit							150

CC: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Course;  
SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective; USC: University specified course

## First Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - I					
CC – 1	Human Anatomy	4	4	0	0
	Human Anatomy Lab	2	0	0	4
CC – 2	Human Physiology	4	4	0	0
	Human Physiology Lab	2	0	0	4
GE – 1	Generic Elective	4	4	0	0
AECC – 1	Communicative English – I	2	2	0	0
USC – 1	Foreign Language I	2	2	0	0
Total Credit = 20			Teaching Hour = 24		
Semester - II					
CC – 3	Fundamentals of Biochemistry	4	4	0	0
	Fundamentals of Biochemistry Lab	2	0	0	4
CC – 4	Basic Microbiology	4	4	0	0
	Basic Microbiology Lab	2	0	0	4
DSE – 1	Fundamentals of Computer Science	4	4	0	0
	Fundamentals of Computer Science Lab	2	0	0	4
GE – 2	Generic Elective	4	4	0	0
AECC – 2	Communicative English – II	2	2	0	0
SEC – 1	Mentored Seminar – I	1	1	0	0
USC – 2	Foreign Language II	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

## Second Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester - III					
CC – 5	Immunology and Serology	4	4	0	0
	Immunology and Serology Lab	2	0	0	4
CC – 6	Clinical Biochemistry	4	4	0	0
	Clinical Biochemistry Lab	2	0	0	4
DSE – 2	Basic and Clinical Pharmacology	4	4	0	0
	Basic and Clinical Pharmacology Lab	2	0	0	4
GE – 3	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – I	2	2	0	0
SEC – 2	Mentored Seminar – II	1	1	0	0
USC – 3	Foreign Language III	2	2	0	0
Total Credit = 27			Teaching Hour = 33		
Semester – IV					
CC – 7	Advanced Microbiology	4	4	0	0
	Advanced Microbiology Lab	2	0	0	4
CC – 8	Pathology	4	4	0	0
	Pathology Lab	2	0	0	4
DSE – 3	Laboratory Management and Medical Ethics	4	4	0	0
	Laboratory Management and Medical Ethics Lab	2	0	0	4
GE – 4	Generic Elective	4	4	0	0
AECC – 3	Environmental Science – II	2	2	0	0
SEC – 3	Mentored Seminar – III	1	1	0	0
USC – 4	Foreign Language – IV	2	2	0	0
Total Credit = 27			Teaching Hour = 33		

## Third Year

Category	Course Name	Credit	Teaching Scheme		
			L	T	P
Semester – V					
CC – 9	Hematology and Blood Banking	4	4	0	0
	Hematology and Blood Banking Lab	2	0	0	4
CC – 10	Histopathology and Histotechniques	4	4	0	0
	Histopathology and Histotechniques Lab	2	0	0	4
CC – 11	Diagnostic Cytology	4	4	0	0
	Diagnostic Cytology Lab	2	0	0	4
DSE – 4	Community Medicine and Medical Statistics	4	4	0	0
	Community Medicine and Medical Statistics Lab	2	0	0	4
SEC – 4	Mentored Seminar – IV	1	1	0	0
Total Credit = 25			Teaching Hour = 33		
Semester – VI					
CC – 12	Clinical Enzymology	4	4	0	0
	Clinical Enzymology Lab	2	0	0	4
CC – 13	Clinical Endocrinology and Toxicology	4	4	0	0
	Clinical Endocrinology and Toxicology Lab	2	0	0	4
CC – 14	Advanced Diagnostic Molecular Biology	4	4	0	0
	Advanced Diagnostic Molecular Biology Lab	2	0	0	4
CC – 15	Project/Hospital training	6	0	0	12
Total Credit = 24			Teaching Hour 36		