



Brainware University
School of Medical and Allied Health Sciences
Department of Allied Health Sciences
Bachelor of Science in Medical Laboratory Technology (B.Sc MLT) 2025
(As per CBCS Template)

Semester-I

Course Code	Course Name	Type of Course	L - T - P	Credits	Total Marks
BMLTC101	Human Anatomy	CC1	4-0-0	4	100
BMLTC191	Human Anatomy Practical	CC1	0-0-4	2	100
BMLTC102	Human Physiology	CC2	4-0-0	4	100
BMLTC192	Human Physiology Practical	CC2	0-0-4	2	100
EVS101	Environmental Science	AECC1	2-0-0	2	100
GE	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE1	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -1 (Practical/Tutorial)	GE1	0-0-4/ 0-1-0	2/1	
TOTAL			26/24	20	700/600

Semester-II

Course Code	Course Name	Type of Course	L - T - P	Credits	Total Marks
BMLTC201	Hematology	CC3	4-0-0	4	100
BMLTC291	Hematology Practical	CC3	0-0-4	2	100
BMLTC202	Biochemistry and Biophysics	CC4	4-0-0	4	100
BMLTC292	Biochemistry and Biophysics Practical	CC4	0-0-4	2	100
HU201	English Communication	AECC2	1-0-0	1	50
HU291	English Communication – Lab	AECC2	0-0-2	1	50
GE	Generic Elective-2 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE2	4-0-0/5-0-0	4/5	200/100
GE	Generic Elective -2 (Practical/Tutorial)	GE2	0-0-4/0-1-0	2/1	
TOTAL			27/25	20/20	700/600



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Semester-III

Course Code	Course Name	Type of Course:	L - T - P	Credits	Total Marks
BMLTC301	Clinical Pathology	CC5	4-0-0	4	100
BMLTC391	Clinical Pathology Practical	CC5	0-0-4	2	100
BMLTC302	Clinical Biochemistry	CC6	4-0-0	4	100
BMLTC392	Clinical Biochemistry Practical	CC6	0-0-4	2	100
BMLTS303	Laboratory Automation	SEC 1	4-0-0	4	100
BMLTS393	Laboratory Automation Practical	SEC 1	0-0-4	2	100
GE	Generic Elective-3 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE3	4-0-0/ 5-0-0	4/5	200/100
GE	Generic Elective -3 (Practical/Tutorial)	GE3	0-0-4/ 0-1-0	2/1	
TOTAL			32/30	24/24	800/700

Semester-IV

Course Code	Course Name	Type of Course:	L - T - P	Credits	Total Marks
BMLTC401	Clinical Immunology & Serology	CC8	4-0-0	4	100
BMLTC402	Clinical Microbiology & Bacteriology	CC8	4-0-0	4	100
BMLTS403	Microbial Techniques and Bacteriology	SEC2	4-0-0	4	100
BMLTS481	Clinical Observership	SEC3	-	2	100
GE	Generic Elective-4 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	GE4	4-0-0/5-0-0	4/5	200/100
GE	Generic Elective -4 (Practical/Tutorial)	GE4	0-0-4/0-1-0	2/1	
TOTAL			20/18	20/20	600/500



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Semester-V

Course Code	Course Name	Type of Course:	L - T - P	Credits	Total Marks
BMLTC501	Andrology & Endocrinology	CC9	4-0-0	4	100
BMLTC591	Andrology & Endocrinology Practical	CC9	0-0-4	2	100
BMLTC502	Histotechnology & Cytotechnology	CC10	4-0-0	4	100
BMLTC592	Histotechnology & Cytotechnology Practical	CC10	0-0-4	2	100
BMLTC503	Clinical Research & Toxicology	CC11	4-0-0	4	100
BMLTE504	A Computer Application B Health Informatics	DSE1	4-0-0/ 4-0-0	4	100
BMLTE505	A Research Methodology B Health Statistics	DSE 1	4-0-0/ 4-0-0	4	100
TOTAL			28/24	24	700

Semester-VI

Course Code	Course Name	Type of Course:	L - T - P	Credits	Total Marks
BMLTC601	Immuno Hematology ,Blood Banking & Blood Transfusion	CC14	4-0-0	4	100
BMLTC691	Immuno Hematology ,Blood Banking & Blood Transfusion Practical	CC14	0-0-4	2	100
BMLTC602	Mycology & Virology	CC15	4-0-0	4	100
BMLTC603	Medical molecular biology & biotechnology	CC15	4-0-0	4	100
BMLTE604	A Assisted Reproductive Technology B Medical Entrepreneurship	DSE 2	4-0-0	4	100
BMLTS682	Project	SEC4	-	4	100
TOTAL			20	22	600



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Semester-VII

Course Code	Course Name	Type of Course	Credits	Total Marks
BMLTS781	Internship (6 months)	SEC5	10	100

Assessment	Marks
Log book	25
Professional Clinical Exam	50
VIVA	25

TOTAL CREDIT: 140

TOTAL MARKS: 4200/3800