



**Course Requirements for the Undergraduate Medical Laboratory Technology Program
2022/2023**

I. Summary of Graduation Requirements

University Required Courses	18 credits
Major and/or Free Elective Courses	13 credits
Faculty and Major Required Courses	68 credits
Total	99 credits

II. Details of Graduation Requirements

1. University Required Courses

Code	Courses	Credits	Prerequisites	Co-requisites
ADM105	Introduction to Information Technology	3		
LIT105	Arabic Civilization	3		
LIT110	Arabic Language I	3		
LIT113	Research Methodology I	1		
LIT114	Research Methodology II	2	LIT113	
LIT120	English Language I (or French Language I)	3		
LIT125	English Language II (or French Language II)	3	LIT120	
Total		18		

2. Major Elective Courses

Code	Title	Credits	Prerequisites	Co-requisites
MLT364	Hereditary Disorders	2	PHE262	
MLT365	Medical Laboratory Technology Colloquium	2	PHE368/ MLT232/ MLT259	PHE373
Total		4		

3. Free Elective Courses

Code	Title	Credits	Prerequisites	Co-requisites
Total		9		



4. Faculty and Major Required Courses

Code	Courses	Credits	Prerequisites	Co-requisites
MLT212	Histology Lab	1		PHE211
MLT224	Principles of Epidemiology	2		
MLT232	Immunohematology	1	PHE227	
MLT233	Hematology Lab	1		PHE227
MLT239	Parasitology Lab	1	PHE140	PHE238
MLT252	Serology Lab	1	PHE246	PHE251
MLT257	Medical Bacteriology	3	PHE140	
MLT259	Antibiotics	1	MLT257	
MLT307	Techniques in Genetic Diagnosis	2		PHE263
MLT331	Practicum	4	PHE368/ MLT232/ MLT259	PHE373
MLT336	Anatomy-Pathology	1	PHE211	
NURS361	Quality Management and Accreditation	1		
PHE133	Cell Biology for Health Sciences	2		
PHE136	General Biochemistry	3	PHE165	
PHE138	General Biochemistry Lab	1	PHE165	PHE136
PHE140	General Microbiology	3		PHE133
PHE142	General Microbiology Lab	2		PHE140
PHE146	Organic Chemistry I	3		PHE165
PHE148	Organic Chemistry I Lab	2		PHE146
PHE165	General Chemistry	3		
PHE206	Anatomy	1	PHE133	
PHE211	Histology	2	PHE133	PHE206
PHE216	Physiology	2	PHE133	PHE211
PHE227	Hematology	3	PHE133	
PHE238	Parasitology	2	PHE140	
PHE239	Bioinformatics	2		
PHE241	Mycology	1	PHE140	
PHE246	Immunology	2	PHE133	
PHE251	Serology	1	PHE246	
PHE258	Medical Bacteriology I Lab	1	PHE140	MLT257
PHE262	Principles of Heredity	2	PHE133	
PHE263	Molecular Genetics	2	PHE262	
PHE311	Medical Virology	1	PHE140	
PHE368	Medical Biochemistry I	2	PHE136	
PHE369	Medical Biochemistry I Lab	2	PHE136	PHE368
PHE373	Medical Biochemistry II	2	PHE368	
STAT156	Principles of Biostatistics	2		
	Total	68		