

4 Year Curriculum - BSc in Medical Laboratory Science

PLevel	Course Code	Course Title	Credits	
Level 1000 - Semester 1				
1000	AH 1101	English & Communication Skills	P/F	
	AH 1102	Information Technology	P/F	
	AH 1103	Basic Human Anatomy	2	
	AH 1104	Human Physiology 1	3	
	ML 1101	Laboratory Practice, Safety & First Aid	2	
	ML 1102	General Microbiology	2	
	ML 1103	Genetics & Molecular Biology	2	
	ML 1104	Basic Biochemistry	3	
		Total No. of Credits for Level 1000 - Semester 1	14	
	Level 1000 - Semester 2			
	AH 1201	English & Communication Skills	P/F	
	AH 1202	Basic Statistics	2	
	AH 1203	General Pathology	2	
	AH 1204	Human Physiology II	3	
	ML 1201	Specimen Collection and Transport	2	
	ML 1202	Analytical Chemistry	3	
	ML 1203	Tissues of the Body	1	
ML 1204	Systematic Bacteriology	2		
	Total No. of Credits for Level 1000 - Semester 2	15		
Level 2000 - Semester 1				
2000	AH 2101	English & Communication Skills	P/F	
	ML 2101	Haematology I	3	
	ML 2102	Clinical Biochemistry I	3	
	ML 2103	Histotechnology	3	
	ML 2104	Systematic Virology & Mycology	2	
	ML 2105	Systematic Parasitology & Medical Entomology	2	
	ML 2106	Diagnostic Bacteriology	3	
		Total No. of Credits for Level 2000 - Semester 1	16	
	Level 2000 - Semester 2			
	AH 2201	English & Communication Skills	P/F	
	ML 2201	Haematology II	3	
	ML 2202	Clinical Biochemistry II	3	
	ML 2203	Diagnostic Virology and Mycology	2	
	ML 2204	Cytotechnology	2	
ML 2205	Diagnostic Parasitology	2		
ML 2206	Immunotechnology	2		
	Total No. of Credits for Level 2000 - Semester 2	14		
Level 3000 - Semester 1				

Semester = 15 weeks of work.

Credit unit = 15 hours of lectures or 30 hours of practical or 60 hours of hospital based training or 60 hours of independent (direct) learning

3000	AH 3101	English & Communication Skills	P/F	
	ML 3101	Haematology III	2	
	ML 3102	Clinical Biochemistry III	3	
	ML 3103	Public Health Microbiology	2	
	ML 3104	Laboratory Quality Assurance & Accreditation	3	
	ML 3105	Laboratory Management	2	
	ML 3106	Biomedical Instrumentation	1	
		Total No. of Credits for Level 3000 - Semester 1	13	
	Level 3000 - Semester 2			
	ML 3201	Work Based Learning - Haematology I	4	
	ML 3202	Work Based Learning - Clinical Biochemistry I	4	
	ML 3203	Work Based Learning - Blood Bank Serology	2	
	ML 3204	Work Based Learning - Histotechnology I	3	
	ML 3205	Work Based Learning - Microbiology I	3	
	ML 3206	Work Based Learning - Immunotechnology and Hormone Assays	1	
		Total No. of Credits for Level 3000 - Semester 2	17	
	Level 4000 - Semester 1			
ML 4101	Work Based Learning - Haematology II	3		
ML 4102	Work Based Learning - Clinical Biochemistry II	3		
ML 4103	Work Based Learning - Microbiology II	2		
ML 4104	Work Based Learning - Histotechnology II & Cytotechnology	3		
ML 4105	Work Based Learning - Emergency Laboratory Tests	1		
ML 4106	Work Based Learning - Medical Parasitology & Entomology	2		
ML 4107	Work Based Learning - Sexually Transmitted Diseases	1		
ML 4108	Work Based Learning –Laboratory Management	1		
ML 4109	Research methodology & Scientific Writing (Continue in Y4S2 with ML4206)	2		
	Total No. of Credits for Level 4000 - Semester 1	18		
Level 4000 - Semester 2				
AH 4201	Scientific English	P/F		
ML 4201	Biotechnology	1		
ML 4202	Experimental Laboratory Medicine	2		
ML 4203	Bioethics	1		
ML 4204	Healthcare Marketing	1		
ML 4205	Applied Statistics	2		
ML 4206	Research Project	6		
ML 4207	Human Resource Management (Optional)	1(O)		
	Total No. of Credits for Level 4000 - Semester 2	13+1(O)		
Total No. of Credits for B.Sc. in Medical Laboratory Science		120+1(O)		
AH - Common course units in Allied Health degree programme (Approved has already been taken) ML - Course unit in Medical Laboratory Science degree programme O - Optional Courses				