

**(125CR) Bachelor Degree in Medical Laboratory Sciences, College of Applied and Health Sciences**

Year 1 (30CR)		Year 2 (34CR)			Year 3 (33CR)			Year 4 (28CR)		
Fall 14CR	Spring 16CR	Fall 16CR	Spring 15CR	Summer 3CR	Fall 14CR	Spring 16CR	Summer 3CR	Fall 15CR	Spring 13CR	
ENGL101 English Comm. Skills I CH: 3	ENGL102 English Comm. Skills II P: ENGL101 CH: 3	BIOL201 Microbiology P: MDLS101, C: BIOL281 CH: 3	MDLS211 Genetics P: MDLS101, C: Nil CH: 3	MDLS200 Clinical Practicum I P: MDLS213 CH: 3	MDLS301 Molecular Biology P: MDLS211, C: MDLS381 CH: 3	MDLS311 Clinical Chemistry II P: MDLS201, C: Nil CH: 3	MDLS300 Clinical Practicum II P: MDLS200, C: Nil CH: 3	MDLS401 Medical Bacteriology II P: MDLS212 CH: 3	MDLS410 Research for Med. Science P: APSC301 CH:3	
CHEM101 Chemistry I P: Nil, C: CHEM181 CH: 3	MDLS120 Medical Terminology P: ENGL101 CH: 1	BIOL281 Microbiology Lab P: MDLS181, C: BIOL201 CH: 1	MDLS212 Medical Bacteriology I P: BIOL201, C: MDLS292 CH: 3		MDLS381 Molecular Biology Lab P: MDLS211, C: MDLS301 CH: 1	MDLS312 Genetic Disorders and Cancers P: MDLS301 CH: 2		MDLS402 Diagnostic Hematology P: MDLS202, C: MDLS482 CH: 2	MDLS411 Health Education and Wellness P: MDLS300 CH:2	
CHEM181 Chemistry I Lab P: Nil, C: CHEM101 CH: 1	MDLS121 Analytical Techniques and Instrumentation P: CHEM101 CH: 3	MDLS201 Clinical Chemistry I P: CHEM101, C: MDLS281 CH: 3	MDLS292 Medical Bacteriology I Lab P: BIOL281, C: MDLS212 CH: 1		MDLS302 General Pathology P: MDLS214, C:Nil CH: 2	MDLS313 Medical Parasitology II P:MDLS305, C: MDLS393 CH: 2		MDLS482 Diagnostic Hematology Lab P: MDLS282, C: MDLS402 CH: 1	Elective 2 CH: 3	
MDLS101 Introduction to Medical Lab Sciences P: Nil, C: MDLS181 CH: 3	MDLS191 Analytical Techniques and Instrumentation Lab P: CHEM181 CH: 1	MDLS281 Clinical Chemistry Lab I P: CHEM181, C: MDLS201 CH: 1	MDLS213 First Aid P: MDLS101 CH: 1		MDLS304 Immunology P: BIOL201 C: MDLS384 CH: 2	MDLS393 Medical Parasitology II Lab P: MDLS385, C: MDLS313 CH:1		MDLS403 Blood Transfusion P: MDLS304 CH: 2	APSC312 Professional Ethics P: MDLS200 CH: 2	
MDLS181 Introduction to Medical Lab Sciences P: Nil, C: MDLS181 CH: 1	CHEM201 Organic Chemistry I P: CHEM101, C: CHEM281 CH: 3	MDLS202 Hematology P: MDLS102, C: MDLS282 CH: 3	MDLS214 Histology and Cytology P: MDLS102 C: MDLS294 CH: 2		MDLS384 Immunology Lab P: BIOL281, C: MDLS314 CH: 1	MDLS314 Medical Mycology P: MDLS305, C: MDLS394 CH: 2		Advanced Diploma Exit	MDLS483 Blood Transfusion Lab (DR) P: MDLS384, C: Nil CH: 2	SOCI101 Sociology CH: 3
ARAb101 Arabic CH: 3	CHEM281 Organic Chemistry I Lab P: CHEM181, C: CHEM201	MDLS282 Hematology Lab P: MDLS182, C: MDLS212 CH: 2	MDLS294 Histology and Cytology Lab P: MDLS182, C:		MDLS305 Medical Parasitology I P:BIOL201 C: MDLS385	MDLS394 Medical Mycology Lab P: MDLS385, C: MDLS394			MDLS404 Introduction to Healthcare Informatics P: MDLS121, C:	<i>UR- University Requirement DR- Department Requirement</i>

	CH: 1		MDLS214 CH: 2		CH: 2	CH: 1		Nil CH: 2	
	MDLS102 Human Anatomy and Physiology for MDLS P:MDLS101 C: MDLS182 CH: 3	ISLM101 Islamic Civilization CH: 3	Elective 1 CH: 3		MDLS385 Medical Parasitology I Lab P: BIOL281 C: MDLS305 CH:1	MDLS315 Medical Virology P: MDLS305 CH: 2		APSC301 Research Skills P: MDLS213, C: Nil CH: 3	<b>CH: Credit Hours P: Pre-requisite C: Co-requisite</b>
	MDLS182 Human Anatomy and Physiology for MDLS Lab P: MDLS181 C: MDLS102 CH: 1				MDLS306 Biostatistics and Epidemiology P: MDLS212, C: Nil CH: 2	MNGT313 Entrepreneurship CH: 3	<b>University Requirement</b>	<b>College Requirement</b>	<b>Department Requirement</b>