

Faculty of Health Sciences

Department: Medical Lab

Major: BS in Medical Lab Sciences

Summary: The Medical Laboratory Sciences program provides students with necessary education and practical skills to perform various clinical laboratory tests (physical, chemical, and biological) that assist in the prevention, diagnosis and treatment of diseases. Students are also trained to interpret test results and can contribute to providing correct diagnosis.

BS in Medical Laboratory Sciences				
August 26, 2014				
SOPHOMORE				
Semester	Course Code	Course Title	Credits	Pre-requisites
FALL	ANA211	Human Anatomy & Physiology I	3	BIO101, ENG022
	ARB208	Arabic Language & Literature	3	
	BIO201	General Biology I	3	BIO101, ENG022
	CHM201	General Chemistry	3	CHM101, ENG022
	CSC200	Computer Driving Skills	2	ENG022
	ENG201	English Essays & Composition	3	ENG105
Total			17	
SPRING	ARB209	Arabic Rhetoric	3	ARB208
	CHM202	Introduction to Organic Chemistry	3	CHM201
	CHM212L	Chemistry Lab	2	CHM201
	CHM203	General Biochemistry	3	BIO201, CHM201
	ENG202	English Communication Skills	3	ENG201
	MLS201	Introduction to MLS	2	ENG022
	PBH210	Introduction to Public Health	2	ENG022
Total			18	
SUM	MLS235	Cytology & Histological Techniques	2	BIO201, MLS201, ANA211
Total			2	
JUNIOR				
Semester	Course Code	Course Title	Credits	Pre-requisites
FALL	CLT201	Cultural Studies I	3	
	MLS210	Clinical Chemistry I	2	MLS201, CHM202, CHM203
	MLS230	Clinical Hematology I	3	MLS201, ANA211
	MLS245	Clinical Immunology & Serology	3	CHM203, MLS201, ANA211
	MLS250	Clinical Microbiology	3	BIO201, MLS201
	PSL210	Pathophysiology	3	ANA211
	PSY210	Health Psychology	2	ENG022
Total			19	
SPRING	CLT202	Cultural Studies II	3	CLT201
	MLS220	Clinical Chemistry II	3	MLS210
	MLS240	Clinical Hematology II	3	MLS230
	MLS255	Clinical Bacteriology	3	MLS250
	MLS260	Clinical Parasitology	3	MLS250
	MLS275	Blood Banking	1	MLS230, MLS245
	MLS280	Clinical Toxicology	2	MLS210, MLS245
	MLS298P	Medical Laboratory Practice I	1	MLS210, MLS230, MLS250
Total			19	
SUM	MLS265	Clinical Virology	2	MLS250
	MLS270	Clinical Mycology	1	MLS250
	MLS290	Molecular Diagnostic Techniques	2	MLS220, MLS235
	MLS299P	Medical Laboratory Practice II	1	MLS220, MLS240, MLS260, MLS275, MLS298P
Total			6	
SENIOR				
Semester	Course Code	Course Title	Credits	Pre-requisites
FALL	MLS210P	Clinical Chemistry Practice	2	MLS220, MLS299P
	MLS230P	Clinical Hematology Practice I	2	MLS230, MLS299P
	MLS235P	Phlebotomy & Histological Techniques Practice	2	MLS220, MLS235, MLS299P
	MLS244P	Clinical Serology Practice	1	MLS245, MLS299P
	MLS250P	Clinical Microbiology Practice	2	MLS250, MLS299P
	MLS310	Clinical Pathology I	3	MLS220, MLS240, MLS250
	RM302	Health Research Methods	2	CSC200, ENG022
	STA310	Biostatistics & Epidemiology	3	CSC200, ENG022
Total			17	
SPRING	MLS220P	Clinical Chemistry & Endocrinology Practice	2	MLS220, MLS210P
	MLS240P	Clinical Hematology Practice II	2	MLS240, MLS230P
	MLS247P	Urinalysis Practice	1	MLS220, MLS250P, MLS299P
	MLS255P	Clinical Bacteriology Practice	2	MLS255, MLS299P
	MLS260P	Clinical Parasitology Practice	1	MLS260, MLS299P
	MLS275P	Blood Banking Practice	2	MLS275, MLS299P
	MLS320	Clinical Pathology II	3	MLS310
	MLS350	Senior Project in MLS	3	In Senior Spring Only, All Senior Fall Courses
Total			16	

Major Total 114