

# Department of Allied Health Sciences

## BS-MEDICAL LABORATORY TECHNOLOGY

Shift : Morning

Duration : 4 years, 8 semesters, 130 credit hours

Eligibility : F.Sc. (Pre-Medical/MLT) equivalent with a minimum of 50% from any recognized Board.

### 1st Semester

Course	Course Title	Credit Hours
PMS-101	Biochemistry-I	3+1
PMS-102	Human Physiology-I	3+1
PMS-103	Human Anatomy-I	3+1
PMS-104	English-I	2+0
PMS-105	Pakistan Studies	2+0
PMS-106	Computer Skills	1+1

### 2nd Semester

Course	Course Title	Credit Hours
PMS-107	Biochemistry-II	3+1
PMS-108	Human Physiology-II	3+1
PMS-109	Human Anatomy-II	3+1
PMS-110	English-II	2+0
PMS-111	Islamic Studies	2+0

### 3rd Semester

Course	Course Title	Credit Hours
PMS-210	General Pathology-I	2+1
PMS-202	G. Pharmacology-I	2+1
PMS-203	Clinical Bacteriology	2+1
PMS-204	Haematology-I	2+1
PMS-205	Human Genetics	2+1
PMS-206	Communication Skills	2+0
PMS-207	Medical Microbiology-I (for non-MLT students)	2+1

### 4th Semester

Course	Course Title	Credit Hours
PMS-220	General Pharmacology-II	2+1
PMS-221	General Pathology-II	2+1
PMS-222	RBCs Disorders	2+1
PMS-223	Clinical Virology and Mycology	2+1
PMS-224	Chemical Pathology	2+1
PMS-225	Behaviorial Sciences	2+0
PMS-226	Haematology-II (Non MLT Students)	2+1
PMS-227	Medical Microbiology-II (Non MLT Students)	2+1

### 5th Semester

Course	Course Title	Credit Hours
PMS-301	WBCs and Plateletes Disorders	2+1
PMS-302	Histopathology	2+1
PMS-303	Bioinformatics	1+2
PMS-304	Clinical Parasitology	2+1
PMS-305	Clinical Pathology	2+1
PMS-306	Biotechnology	1+1

### 6th Semester

Course	Course Title	Credit Hours
PMS-307	Medical Laboratory Instrumentations	2+1
PMS-308	Biostatistics	2+1
PMS-309	Immunology & Serology	2+1
PMS-310	Research Methodology	2+1
PMS-311	Blood Banking	2+1
PMS-312	Advances in Medical Lab Technology	1+1

### 7th Semester

Course	Course Title	Credit Hours
PMS-401	Medical Laboratory Management Skills	2+1
PMS-402	Fundamental of Infection Control	1+1
PMS-403	Molecular Biology	2+1
PMS-404	Epidimiology	2+0
PMS-405	Systemic Diagnostic Bacteriology	2+1
PMS-406	Cytology and Cytogenetics	2+1

### 8th Semester

Course	Course Title	Credit Hours
PMS-407	Research Project	6
PMS-408	Seminar	1+0
PMS-409	Medical Sociology	2+1
PMS-410	Bioethics	1+1