

Kingdom of Saudi Arabia
Ministry of Education
Prince Sattam Bin Abdulaziz University
College of Applied Medical Sciences - Alkharj



المملكة العربية السعودية
وزارة التعليم
جامعة الأمير سطام بن عبد العزيز
كلية العلوم الطبية التطبيقية بالخرج

Study Plan of Medical Laboratory Sciences

Year/ level	Course Code	Course Title	Required /Elective	Credit Hours	College or Department
1 st Year/ Level 1	ARAB 101	Language Skills	Required	2	College of Education
	ENGL 132	English: Reading	Required	2	Deanship of Preparatory Year
	ENGL 133	English: Writing	Required	2	
	BIOL 106	General Biology	Required	4	
	CT 140	IT Skills	Required	3	
	MC 1400	Communication Skills	Required	2	
1 st Year/ Level 2	IC 101	Introduction to Islamic Culture	Required	2	College of Education
	STAT 106	Biostatistics	Required	2	Deanship of Preparatory Year
	CHEM 106	Organic Chemistry for Health Sciences	Required	2	
	PHYS 106	General Physics	Required	4	
	ENGL 131	English: Listening & Speaking	Required	2	
	ENGL 134	English for Health Sciences	Required	3	
2 nd Year/ Level 3	IC 102	Islam and the Construction of Society	Required	2	College of Education
	ARAB 103	Expository Writing	Required	2	Medical Laboratory Sciences
	CAMS 231	Human Anatomy & Physiology	Required	4	
	CAMS 232	Math for Health Sciences	Required	2	
	CAMS 234	Healthcare Emergency	Required	2	
	CAMS 235	Introduction to Pathology	Required	2	
	CAMS 236	Introduction to Applied Medical Sciences	Required	2	
2 nd year/ level 4	IC 103	The Islamic Economic	Required	2	College of Education
	MLAB 241	Histology and Histological techniques	Required	3	Medical Laboratory Sciences
	MLAB 242	Basic Biochemistry	Required	3	
	MLAB 243	Analytical chemistry	Required	3	
	MLAB 244	Pathophysiology	Required	2	
	MLAB 245	Introduction to Clinical Laboratory Sciences	Required	2	
3 rd year/ level 5	IC 104	Fundamentals of Islamic Political System	Required	2	College of Education
	MLAB 351	Clinical Haematology-1	Required	3	Medical Laboratory Sciences
	MLAB 352	General Microbiology	Required	4	
	MLAB 353	Clinical Biochemistry-1	Required	3	
	MLAB 354	Medical Immunology	Required	3	
	MLAB 355	Electron Microscopy	Required	2	
3 rd year/ level 6	MLAB 361	Clinical Haematology-2	Required	3	
	MLAB 362	Clinical Parasitology	Required	2	
	MLAB 363	Clinical Biochemistry-2	Required	3	
	MLAB 364	Cytopathology	Required	2	
	MLAB 365	Analytical Instruments and Automation	Required	3	
	MLAB 366	Antimicrobial Chemotherapy	Required	2	
4 th year/ level 7	MLAB 471	Clinical Bacteriology-1	Required	4	Medical Laboratory Sciences
	MLAB 472	Clinical Immunology and Serology	Required	2	
	MLAB 473	Immuno-Haematology and Blood Bank	Required	3	
	MLAB 474	Clinical Mycology	Required	3	
	MLAB 475	Gene Technology and Molecular Techniques	Required	3	
4 th year/ level 8	MLAB 481	Clinical Bacteriology -2	Required	3	Medical Laboratory Sciences
	MLAB 482	Blood Coagulation	Required	2	
	MLAB 483	Epidemiology and Biostatistics	Required	2	
	MLAB 484	Medical Genetics	Required	3	
	MLAB 485	Urine analysis and Body Fluids	Required	2	
	MLAB 486	Clinical Virology	Required	2	
	MLAB 487	Toxicology and Drug Monitoring	Required	2	
5 th year/ level 9	MLAB 491	Graduation Project	Required	2	Medical Laboratory Science
	MLAB 492	Clinical Practice Microbiology and Immunology	Required	4	
	MLAB 493	Clinical Practice Haematology	Required	3	
	MLAB 494	Clinical practice Biochemistry	Required	3	
	MLAB 495	Clinical Practice in Histology and Cytology	Required	2	
	MLAB 496	Laboratory Management, Safety and Quality Systems	Required	2	

