

Program Name: Bachelor Clinical Laboratory Sciences (CLS 86)

Department: Clinical Laboratory Science

College: Applied Medical Sciences (Dawadmi)

Institution: Shaqra University

All courses given by English language

After the completion of the eight (8) levels, one (1) year internship in an accredited hospital is required in partial fulfillment for the degree of Bachelor in Clinical Laboratory Science.

Program Study Plan

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	
Pre. Year Level 1	CHS 101	Health & Fitness	Required	-	2	
	PHYS 107	Introduction to Physics - 1	Required	-	3	
	ENGL 109	English - 1	Required	-	6	
	CT 130	Computer Skills	Required	-	3	
	MATH 130	Intro. To Mathematics	Required	-	3	
	Total					17
Pre. Year Level 2	BIOL 101	Introduction to Biology	Required	-	3	
	ACT 105	Academic and Life Skills	Required	-	3	
	CHEM 109	Introduction to Chemistry	Required	-	3	
	ENGL 110	English - 2	Required	ENGL 109	4	
	ENGL 147	English for Medical Specialties	Required	-	2	
	Total					15

Level 3		
Code & No.	Course Title	Credit hrs
Islamic 102	Islam & Building Society	2+0=2
HLT 231	Professionalism & Health Care System	2+0=2
HLT 232	Basics of Emergency Care	3+0=2
CLS 231	Human Anatomy and Physiology	3+1=4
CLS 232	Clinical Biochemistry I	3+1=4
CLS 233	Clinical Analytical Chemistry	2+1=3
Total		18

Level 4		
Code & No.	Course Title	Credit hrs
Arabic 103	Arabic Edition	2+0=2
CLS 241	Basic Microbiology	2+2=4
CLS 242	Clinical Biochemistry II	3+1=4
CLS 243	Descriptive Histology	2+1=3
CLS 244	Clinical Instrumental Analysis	3+1=4
Total		17

Level 5		
Code & No.	Course Title	Credit hrs
Islamic 103	Islam Politics	2+0=2
CLS 351	General Pathology	2+1=3
CLS 352	Haematology	2+2=4
CLS 353	Clinical Biochemistry III	3+1=4
CLS 354	Clinical Mycology	2+1=3
CLS 355	Histological Techniques	1+1=2
Total		١٨

Level 6		
Code & No.	Course Title	Credit hrs
HLT 261	Epidemiology	2+1=3
STA 106	Biostatistics	2+0=2
CLS 361	Clinical Bacteriology I	2+1=3
CLS 362	Medical Parasitology	3+1=4
CLS 363	Immunology	3+1=4
Total		١٦

Level 7		
Code & No.	Course Title	Credit hrs
Islamic 104	Islam Economy	2+0=2
CLS 471	Clinical Bacteriology II	2+1=3
CLS 472	Virology	2+0=2
CLS 473	Immunohaematology	2+2=4
CLS 474	Cytopathology	1+1=2
CLS 475	Clinical Enzymology	1+1=2
CLS 476	Clinical Practice Biochemistry	1+1=2
Total		١٧

Level 8		
Code & No.	Course Title	Credit hrs
HLT 281	Computer Applications for Health Sciences	2+0=2
CLS 481	Environmental Microbiology	1+1=2
CLS 482	Clinical Practice Microbiology	1+2=3
CLS 483	Medical Genetics	2+1=3
CLS 484	Clinical Practice Haematology	1+1=2
CLS 485	Laboratory Management	2+0=2
CLS 486	Departmental Seminar	2+0=2
Total		١٦