



**Al-Balqa Applied University**  
**Curriculum for the Master Degree in**  
**Medical Laboratory Sciences / Thesis Track**

The curriculum for the master degree in (Medical Laboratory) consists of (33) credit hours distributed as follows:

Track	Requirements	Credit Hours (Cr. H.)
Thesis	A. Compulsory Courses	18
	B. Elective Courses	6
	C. Thesis	9
	Total	33



**STUDY PLAN**  
**MASTER IN (Medical Laboratory Sciences)**  
**(Thesis Track)**

**I. GENERAL RULES AND CONDITIONS:**

- 1- This plan conforms to the regulations of the general frame for graduate studies programs.
- 2- Areas of specialty of admission in this program:
  - (a) Bachelor of Medical Laboratory or Medical Laboratory Sciences
  - (b) Bachelor of Biology
  - (c) Bachelor of Biotechnology
  - (d)

**II. SPECIAL CONDITIONS:**

Course Number	Course Title	Credit Hours
30205351	Hematology	3
30305455	Immunology and serology	3
30305351	Medical Microbiology	3
491	Rehabilitation course for English Language	3
492	Rehabilitation course for Arabic Language	3

THE PLAN:

**A. Compulsory Courses: (18 credit hours) as follows:**

Course Number	Course Title	Credit Hours	Prerequisite
50305821	Advanced Clinical Chemistry	3	None
50305831	Advanced Clinical Microbiology	3	None
50305832	Advanced Clinical Immunology and Serology	3	None
50305841	Advanced Clinical Hematology	3	None
50305851	Diagnostic Molecular Biology	3	None
50305862	Research Methodology	3	None

**B. Elective Courses: (6credit hours) selected from the following:**

Course Number	Course Title	Credit Hours	Prerequisite
50305822	Clinical Enzymology	3	None
50305823	Clinical Endocrinology	3	None
50305824	Forensic Medical Analysis	3	None
50305833	Infectious Diseases and Epidemiology	3	None
50305834	Advanced Clinical virology	3	None
50305835	Advanced Clinical Parasitology	3	None
50305843	Blood Banking and Blood Transfusion	3	None
50305853	Human Cytogenetics	3	None



50305860	Pathophysiology	3	None
50305861	Lab Management and Quality assurance	3	None
50305863	Animal Tissue Culture	3	None
50305864	Bioinformatics	3	None
50305865	Special Topics	3	The students should have completed 9 hours

**C. Thesis Track (9 credit hours) as follows:**

Course Number	Course Title	Credit Hours	Prerequisite
50305897	Thesis	9	Pass the credit hours required in the plan