



## Program study plan for Associate Diploma in Medical Laboratories

This study plan was approved by the Deans Council of Al-Balqa Applied University, decision number 1706/2016/2017 at 30-8-2017 during session 33. It applies from the beginning of the academic year 2017/2018, as it was approved to amend it according to decision number 10/2/2017/2018 of the Study Plan Committee at 4/10/2017 during session 2.

This study plan to obtain an associate diploma in Allied Medical Professions Programs / Specialization in Medical Laboratories (72) credit hours, distributed as follows:

Number	Requirement	Credit Hours
1.	General Competencies	12
2.	Functional Competencies	6
3.	Supportive Competencies	6
4.	Speciality Competencies	48
<b>Total</b>		<b>72</b>

**Description of program outputs:**

The specialization aims to prepare laboratory technicians who are able to deal with modern laboratory techniques and equipment and keep pace with scientific progress in the field of laboratory medicine.

Specialization fields for program skills:

Number	Specialization field	Credit hours		Courses within the field
		Theory	Practical	
1.	Allied Medical Sciences	11	3	Anatomy / physiology / pathology / histology and microscopic preparation / laboratory equipment
2.	Microbiology	8	3	Microbiology 2+1 Medical Parasitology Microbiology Practical
3.	chemistry	5	3	Medical Biochemistry / Clinical Chemistry / Analytical Chemistry
4.	hematology	7	5	Hematology / Diagnostic Hematology / Immunology / Blood Bank
5.	Field Training	0	3	
<b>Total Credit Hours</b>		<b>31</b>	<b>17</b>	<b>48 credit hours</b>



### Study plan for Specialization in Medical Laboratories

Firstly, general competencies with (12) credit hours distributed as follows:

Course number	Course name	Credit hours	Theory	Practical	Prerequisite
020000111	Positive citizenship and life skills	3	3	0	
020000121	Islamic Culture	3	3	0	
020000131	National Education	2	2	0	
020000181	Military Science	1	1	0	
020000101	The English Language	3	3	0	
<b>Total credit hours</b>		<b>12</b>	<b>12</b>	<b>0</b>	

Secondly, functional competencies with (6) credit hours distributed as follows:

Course number	Course name	Credit hours	Theory	Practical	Prerequisite
020000122	Communication Skills in English	2	2	0	
020000231	Entrepreneurship	2	2	0	
020000141	Quality, patient safety, and infection control	2	2	0	
<b>Total credit hours</b>		<b>6</b>	<b>6</b>	<b>0</b>	

Thirdly, supportive competencies with (6) credit hours distributed as follows:

Course number	Course name	Credit hours	Theory	Practical	Prerequisite
020800161	Biochemistry	2	2	0	
020800162	Biochemistry Lab	1	0	1	020800161**
020800271	Medical Sociology	3	3	0	
<b>Total credit hours</b>		<b>6</b>	<b>5</b>	<b>1</b>	



Fourthly, speciality competencies with (48) credit hours distributed as follows:

Course number	Course name	Credit hours	Theory	Practical	Prerequisite
020800131	Anatomy	3	3	-	
020800141	Physiology	3	3	-	020800131 **
020807111	Pathology	3	3	-	
020807121	medical biochemistry	3	2	3	
020811111	Microbiology1	3	3	-	020800151
020811112	Microbiology2	3	3	-	020811111
020811113	Microbiology Lab	2	-	6	020811112 **
020807131	Histology and microscopic preparation	3	1	6	
020807141	Immunology	3	2	3	
020807151	lab equipment	2	1	3	
020807161	hematology	3	2	3	
020807221	clinical chemistry	3	2	3	
020807262	Diagnostic hematology	3	2	3	020807161
020807163	blood bank	3	1	6	
020807271	Medical Parasitology	3	2	3	
020807281	analytical chemistry	2	1	3	
020807291	Field training*	3	-	-	
<b>Total credit hours</b>		<b>48</b>	<b>31</b>	<b>17</b>	

\* Field training continuous for 8 weeks

\*\* Simultaneous requirement



## Guidance plan for specialization of Medical Laboratories

First semester			Second semester		
Course name	Course number	Credit hours	Course name	Course number	Credit hours
Positive citizenship and life skills	020000111	3	Communication Skills in English	020000122	2
Islamic culture	020000121	3	National Education	020000131	2
The English Language	020000101	3	Quality, patient safety, and infection control	020000141	2
Anatomy	020800131	3	Military Science	020000181	1
Histology and microscopic preparation	020807131	3	Microbiology	020811111	3
Pathology	020807111	3	Physiology	020800141	3
			medical biochemistry	020807121	3
			lab equipment	020807151	2
<b>Total credit hours</b>		<b>18</b>	<b>Total credit hours</b>		<b>18</b>

Third semester			Fourth semester		
Course name	Course number	Credit hours	Course name	Course number	Credit hours
Biochemistry	020800161	2	Immunology	020807141	3
Microbiology2	020811112	1	clinical Chemistry	020807221	3
Biochemistry Lab	020800162	3	Diagnostic hematology	020807262	3
Microbiology Lab	020811113	2	blood bank	020807163	3
hematology	020807161	3	Medical Parasitology	020807271	3
analytical chemistry	020807281	2			
Entrepreneurship	020000231	2	Field training	020807291	3
medical sociology	020800271	3			
<b>Total credit hours</b>		<b>18</b>	<b>Total credit hours</b>		<b>18</b>