

Applied Medical Sciences
Medical Laboratory Sciences

Study Program : Bachelor
Study Plan Type : Major
Academic Year : 2022

The requirements to obtain a Bachelor degree is :-

*** The minimum requirements to get a Bachelor degree in / Medical Laboratory Sciences / is to pass 136 credit hours, according to this study plan.**

*** The credit hours are distributed to get a Bachelor degree as follows :-**

Number of credit hours	
University Requirements	27.000
Compulsory	18.000
Elective	9.000
Faculty Requirements	22.000
Compulsory	22.000
Specialization Requirments	84.000
Compulsory	72.000
Elective	12.000
Free Courses	3.000
	0.000
Pre-requist Courses	0.000
	0.000
Total :	136.000

University Requirements Credit Hours : 27
Requirement type : Compulsory Credit Hours :18

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2116011101	Arabic Communication Skills	3.000	3.000	0.000	121601099	online learning
2116021101	English Communication Skills	3.000	3.000	0.000	121602099	online learning
2214041117	Military Science	3.000	3.000			online learning
1714041118	National Education	3.000	3.000	0.000		online learning
2114041123	Leadership and Social Responsibility	2.000	2.000	0.000		online learning
2114041124	Entrepreneurship and Innovation	2.000	2.000	0.000		online learning
2114041125	Life Skills	2.000	2.000	0.000		online learning

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
1804001128	Cyber Hygiene	3.000	3.000	0.000	110108099	in class
2210031100	digital culture	3.000	3.000	0.000		
1916033201	Italian Language (2)	3.000	3.000	0.000	1716031101	in class
1916034101	Russian Language (1)	3.000	3.000	0.000		online learning
1916034102	Russian Language (2)	3.000	3.000	0.000		
1916034201	Japanese (2)	3.000	3.000	0.000	1716031102	in class
1916035101	Turkish Language (1)	3.000	3.000	0.000		in class
1916036101	Korean Language (1)	3.000	3.000	0.000		in class
1916036102	Korean Language(2)	3.000	3.000	0.000	1916036101	
1916037101	German Language (1)	3.000	3.000	0.000		in class
1916038101	Chinese Language (1)	3.000	3.000			online learning
1916039101	Polish Language (1)	3.000	3.000	0.000		in class
1714041101	University Life of Student	3.000	3.000			online learning
1714041102	Introduction to Psychcology	3.000	3.000			online learning
1714041104	Family and Child Education	3.000	3.000			online learning
1714041107	Citizenship and Human Rights	3.000	3.000			in class
1714041110	Islam Current Issues	3.000	3.000			in class
1714041111	Islamic Thought	3.000	3.000			online learning
1714041112	Jerusalem : Histroy and Civilization	3.000	3.000			in class
1714041113	Citizenship and Human Rights	3.000	3.000	0.000		online learning
1714041114	Histroy and Civilization of Jordan	3.000	3.000			online learning
1714041115	Sociology	3.000	3.000			in class
1714041116	Archaeology and Tourism	3.000	3.000			online learning
1714041120	Economic and Management Science	3.000	3.000			

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
1714041121	Law and Ordering of Our Life	3.000	3.000			online learning
1714041122	Principles of Sign Language	3.000	3.000			in class
1714041126	Humanistic Moral and Values Education	3.000	3.000			online learning
1714041127	Conflict Resolution and Accept Others	3.000	3.000			online learning
1714041128	Culutural Heritage in Jordan	3.000	3.000			
1914041130	Integrity Transperancy and anti - Corruption	3.000	3.000	0.000		online learning
1714041193	Palestinian Cause	3.000	3.000			in class
1714041194	Arabic Language and Current Issues	3.000	3.000			online learning
1814041195	Disability and Healthy Community	3.000	3.000			online learning
1814041197	Selected Topics in National Trends	3.000	3.000			
1814041198	Education for Sustainable Development	3.000	3.000			online learning
1814041199	Adjustment and Mental Health	3.000	3.000			online learning
1814041200	Introduction to Education	3.000	3.000			online learning
1914042111	Media Education	3.000	3.000	0.000		online learning
2101081139	Physical Culture	3.000	3.000	0.000		online learning
2201081140	Development and Environment	3.000	3.000	0.000		online learning
0110108104	Energy and its Sources	3.000	3.000	0.000		online learning
0110108113	Biotechnology and Society	3.000	3.000	0.000		online learning
0110108114	Automobile Essentials	3.000	3.000	0.000		
0110108115	Computer Ethics	3.000	3.000	0.000		blended learning
0110108130	Health and Nutrients	3.000	3.000	0.000		online learning
0110108131	Health Education and First Aid	3.000	3.000	0.000		online learning
0110108132	Sport and Health	3.000	3.000	0.000		online learning

University Requirements Credit Hours : 27
Requirement type : Elective Credit Hours :9

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0140108134	Ethics in Natural Science	3.000	3.000	0.000		online learning
0170108135	Reproductive Health	3.000	3.000	0.000		online learning
0140108166	Pharmaceutical Edification	3.000	3.000	0.000		
0121601105	Applied Arabic Language	3.000	3.000			in class
0121602102	Applied English Language	3.000	3.000	0.000		blended learning
0121602103	Technical Translation	3.000	3.000	0.000		blended learning
0141603101	Italian Language	3.000	3.000			in class
0151603102	Japanese Language (Level 1)	3.000	3.000	0.000		in class
0121603201	Spanish Language (1)	3.000	3.000			blended learning

Faculty Requirements Credit Hours : 22
Requirement type : Compulsory Credit Hours :22

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2005001211	Human Anatomy	3.000	3.000	0.000	1801041105 OR 110108105	online learning
2005001212	Human Anatomy / Practical	1.000	0.000	3.000	2005001211 synchronous	in class
2005001222	Human Physiology / Practical	1.000	0.000	3.000	(2005001221 synchronous OR 2005011221 synchronous) OR 140501221 synchronous	in class
2005011221	Medical Human Physiology	3.000	3.000	0.000	2005001211 synchronous	blended learning
1801041105	General Biology for Medical Science	3.000	3.000	0.000		in class
1801041106	Practical General Biology for Medical Science	1.000	0.000	3.000	1801041105 synchronous	in class
1701081137	Basics of General Chemistry	3.000	3.000	0.000		in class
0110102109	General Medical Physics	3.000	3.000	0.000		blended learning
0110103108	Basics of General Chemistry Laboratory	1.000	0.000	3.000	110103107 synchronous OR 1701081137 synchronous	in class
0110108116	Computer Skills	3.000	3.000	0.000	(1001103 AND 1001104) OR (110108099 OR 1011100)	blended learning

Specialization Requirments Credit Hours : 84
Requirement type : Compulsory Credit Hours :72

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2005001232	Medical Biochemistry / Practical	1.000	0.000	3.000	2005011231 synchronous AND 110103108	in class
2005001242	Medical Microbiology / Practical	1.000	0.000	3.000	2005011241 synchronous AND 1801041106	in class
2005001311	Pathology	3.000	3.000	0.000	2005001211 AND 2005011221	online learning
2005011213	Micro-techniques for Histopathology□	2.000	2.000	0.000	(1801041106 OR 1801041103) AND 2005001211 synchronous	in class
2005011214	Micro-techniques for Histopathology / Practical	1.000	0.000	3.000	2005011213 synchronous	in class
2005011231	Medical Biochemistry	3.000	3.000	0.000	110103236 synchronous	blended learning
2005011241	Basic Medical Microbiology	3.000	3.000	0.000	1801041105	blended learning
2005011251	Hematology (1)	3.000	2.000	3.000	2005001222	in class
2005011252	Introduction to Immunology	2.000	2.000	0.000	2005001222	in class
2005011334	Molecular Biology and Cell Genetics	3.000	2.000	3.000	(2005011231 AND 1801041105) OR 110108105	in class
2005011341	Diagnostic Microbiology	3.000	2.000	3.000	2005001242	in class
2005011351	Diagnostic Immunology and Serology	3.000	2.000	3.000	2005011252	in class
2005011353	Blood Bank	3.000	2.000	3.000	2005011252 AND 140501352	in class
2005011361	Instrumental Analysis in Medical Laboratories	2.000	2.000	0.000	2005011231	online learning
2005011441	Medical Mycology	1.000	1.000	0.000	2005011241	online learning
2005011460	"Quality control and Medical Laboratory Management	1.000	1.000	0.000		online learning
2005011461	Ethics and safety in Medical Laboratories	1.000	1.000	0.000		online learning
2005011471	Field Training (1)	3.000	0.000	9.000	(140501352 AND 2005011353 AND 2005011460)	in class
2005011472	Field Training (2)	3.000	0.000	9.000	(140501333 AND 140501324 AND 2005011460)	in class

Specialization Requirments Credit Hours : 84
Requirement type : Compulsory Credit Hours :72

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2005011473	Field Training (3)	3.000	0.000	9.000	(2005011341 AND 140501344 AND 2005011460)	in class
2005011474	Field Training (4)	3.000	0.000	9.000	(2005011351 AND 2005011214 AND 2005011460)	in class
0110103211	Analytical Chemistry	3.000	3.000	0.000	110103102 OR 110103107	blended learning
0110103236	Basics of Organic Chemistry	3.000	3.000	0.000	110103101 OR 110103107	in class
0140501324	Body Fluids Analysis	2.000	1.000	3.000	(140501221 OR 2005011221) AND 140501332	in class
0140501332	Clinical Chemistry (1)	3.000	2.000	3.000	(140501231 OR 2005001231) OR (2005011231 AND 2005001232)	in class
0140501333	Clinical Chemistry (2)	3.000	2.000	3.000	140501332	in class
0140501344	Medical Parasitology	3.000	2.000	3.000	140501242 OR 2005001242	in class
0140501352	Hematology (2)	3.000	2.000	3.000	140501351 OR 2005011251	in class
0140501423	Endocrine Glands	3.000	3.000		(140501221 OR 2005011221) AND 140501332	blended learning
0140501446	Medical Virology	1.000	1.000		140501241 OR 2005011241	online learning

Specialization Requirments Credit Hours : 84
Requirement type : Elective Credit Hours :12

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2005011161	Medical Terminology	1.000	1.000	0.000		
2005011215	Embryology	2.000	2.000	0.000	2005001211 AND 2005011213	
2005011233	Metabolism and Protein Chemistry	3.000	3.000	0.000	2005011231	
2005011234	Human Genetics	3.000	3.000	0.000	1801041105	online learning
2005011261	Special Topics in Medical Laboratory Sciences	3.000	3.000	0.000		in class
2005011312	Oncology	3.000	3.000	0.000	2005001311	online learning
2005011313	Cells Culture	3.000	2.000	3.000	2005011214	
2005011321	Pathophysiology	3.000	3.000	0.000	2005011221	
2005011343	Molecular Diagnosis of Infectious Diseases	3.000	2.000	3.000	2005011241	
2005011344	Epidemiology	3.000	3.000	0.000	2005011241	online learning
2005011354	Haematopoietic Stem Cell Science	3.000	3.000	0.000	2005011251 AND 2005011252	
2005011362	Research methods and Biostatistics	2.000	2.000	0.000		
2005011363	Introduction to Biotechnology	1.000	1.000	0.000		
2005011462	Seminar in Medical Laboratory Sciences	1.000	1.000	0.000		blended learning

Courses - Not Allowed To Study Credit Hours : 0
Requirement type : Credit Hours :0

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
2005001221	Human Physiology	3.000	3.000	0.000	110108105 OR 1801041105	online learning
2005001241	Medical Microbiology	3.000	3.000	0.000	110108105 OR 1801041105	online learning
2210041132	enterepreurship and innovation	2.000	2.000	0.000		online learning

Pre-Requist Courses Credit Hours : 0
Requirement type : Credit Hours :0

Course Number	Course Name	Credit Hours	Theoretical	Practical	Pre - Requisite	Cours e Type
0001001096	Computer Skills Test	0.000	0.000	0.000		in class
0110108099	Computer Skills/ Prerequisite	3.000	3.000	0.000	1001096	online learning
0002110096	Arabic Placement Test	0.000	0.000	0.000		in class
0002120096	English Placement Test	0.000	0.000	0.000		in class
0121601099	Arabic Language / Pre-requisite	3.000	3.000		2110096	online learning
0121602099	English Language / Pre-requisite	3.000	3.000		2120096	online learning

free study materials are (3) credit hours, The student chooses it from any of the courses offered by the university departments.