

Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Program Description Form for Colleges and Institutes For the Academic Year 2025-2026

University

College / Institute: Al-Salam University College

Scientific Department: Medical Laboratory Techniques

Date of Form Completion: 6/9/2025

Signature

Scientific Assistant

Date

Signature

Head of Department

Prof. Dr. Abdulrahman Khudair

Date 6/9/2025



Reviewed by

Quality Assurance and University Performance Division

Name of Director of the Quality Assurance and University Performance
Division

/ / Date

Approval of the Dean



Signature

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Academic Program Description

This Academic Program Description provides a concise summary of the most important characteristics of the program and the expected learning outcomes that students are expected to achieve, demonstrating whether they have made the most of the available opportunities. It is accompanied .by a description of each course within the program

Al-Salam University College	Educational Institution .1
Department of Medical Laboratory Techniques	Scientific / Department Center .2
Academic Program Description of the Department of Medical Laboratory Techniques	Name of the Academic or Professional Program .3
Bachelor of Medical Laboratory Techniques	Final Degree .4
Courses	Academic system
	Accredited Accreditation Program .5
General for all college programs	Other External Influences .6
2	Date of Description. Preparation
Academic Program Objectives.1	
Enhance knowledge of basic medical sciences and pathological analyses .	
Train students to perform medical analyses .	
Teach students the rules and professional conduct .	
. Keep pace with the required developments in the same specialization	

Required Program Outcomes and Teaching, Learning, and Assessment Methods .
A) Knowledge Objectives A1- Training students through practical and applied scientific lessons. A2- Training students in hospitals. A3- How to deal with patients. A4- Giving basic information and concepts in clinical chemistry and developing student's skills in medical laboratory techniques.
B) Program-skill-based Objectives: B1- To graduate students with high proficiency analyses. B2- Conducting research B3- The students should be able to conduct examination and learning solution preparation.
Teaching and Learning Methods
Theoretical, practical)laboratory(, and applied lessons in hospitals
Assessment Methods
1)Programming 2)Encouragement 3)Problem-solving
C) Affective and value-based objectives C1- The students should be able to understand teaching methods C2- Practical lessons C3- Applied lessons in hospitals
Teaching and Learning Methods

Theoretical, practical)laboratory(, and applied lessons in hospitals
Assessment Methods
4- Midterm examinations 5- Daily quizzes

Research

D) General and transferable skills (other skills related to employability and personal development). D1- scientific thinking. D2- Applied thinking. D3- Analysis and interpretation of results and tests.				
Teaching and Learning Methods				
Live lectures Case presentation Data show				
Assessment Methods				
1-Quick quizzes 2-Mannual and applied tests 3-Hospital tests				
Program Structure.10				
Credit Hours		Course / Module Name	/ Course Module Code	Study Stage
Practical	Theoretical			

First Stage (First Course)			
5	2	Human Biology 1	
4	2	Laboratory Equipment 1	
-	2	Medical Terminology	
-	2	Human Rights	

5	2	Chemistry 1	
-	2	Arabic Language	
*****	***** ***	*****	***** ***
5	2	Human Biology 2	First Stage (Second Course)
4	2	Laboratory Equipment 2	
5	2	Anatomy	
5	2	General Chemistry 2	
2	1	Computer Fundamentals	
	2	Arabic Language	
***** ***	*****	***** *****	
4	2	Medical Bacteriology 1	Second Stage (First Course)
4	2	Biochemistry 1	
4	2	Human Physiology 1	
4	2	1 Histology	
4	2	Molecular biology	
4	2	Medical Parasitology 1	
	2	Crimes of the Ba'ath Regime in Iraq	
			Second Stage (Second Course)
4	2	Biochemistry 2	
4	2	Human Physiology 2	
4	2	2 Histology	

2	1	Descriptive Biostatistics	
4	2	Medical Parasitology 2	
4	2	Medical Bacteriology 2	
	2	Arabic Language	
2	1	Computer Applications	
*****	***** ***	*****	
			Third Stage (First Course)
2	2	Hematology 1	Third Stage (First Course)
4	2	Medical Parasitology	
4	2	Metabolic disorders	
4	2	Medical Genetics 1	
4	2	Immunology 1	
4	2	Advanced Laboratory Techniques	
2	1	Histopathology 1	
			Third Stage (Second Course)
2	2	Hematology 2	
4	2	Medical Virology	
4	2	Clinical Endocrinology	
4	2	Medical Genetics 2	
4	2	Immunology 2	
3	1	Analytical Biostatistics	
2	1	Histopathology 2	

			Fourth Stage (First Course)
4	2	Clinical Immunology 1	
4	2	Diagnostic Bacteriology 1	
4	2	Advanced Clinical Chemistry 1	
4	2	Diagnostic Medical Parasitology 1	

4	2	Blood Transfusion	
4	2	Pathology	
-	2	Professional Ethics	
-	1	Research Methods	
6		Graduation Project	
5	-		
4	2	Clinical Immunology 2	Second Course
4	2	Diagnostic Bacteriology 2	
4	2	Clinical Enzymology	
4	2	Diagnostic Medical Parasitology 2	
4	2	Antimicrobial Resistance	
4	2	Pathology	
-	2	Professional Ethics	
-	1	Research Methods	

Personal Development Planning.11
The ability to help patients and maintaining confidentiality. Adoption of the scientific method in measurements and control of measurement repeatability.
Admission Criteria (regulations governing admission to the college or institute).12
Central admission by the Ministry of Higher Education and Scientific Research
Main Sources of Information about the Program.13

Scientific lectures

Methodological and supplementary scientific books for the field

Scientific research for professors and students

Scientific seminars

Internet

Curriculum Skills Matrix																			
Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment																			
Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or obtional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	Chemistry 1		First Stage First) (Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	Human Biology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	Medical Devices 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	Medical Terminology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	Human Rights		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	Core	الحاسبات		
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level

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D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1				
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Chemistry 2		First Stage Second) (Course
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Human Biology 2		
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Medical Laboratory Equipment 2		
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Medical Terminology		
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Arabic Language		
D4	D 3	D 2	D 1	C 4	C 3	C 2	C 1	B4	B3	B2	B1	A 4	A 3	A 2	A1	Core	Computer Fundamenta ls		

Curriculum Skills Matrix																			
Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment																			
Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Bacteriology 1		Second Stage First) (Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Biochemistry 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Human Physiology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	1 Histology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Molecular biology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Parasitology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Crimes of the Ba’ath Regime in Iraq		

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Curriculum Skills Matrix																			
Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment																			
Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Bacteriology 2		Second Stage Second) (Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Biochemistry 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Human Physiology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Histology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Descriptive Biostatistics		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Parasitology and Insects		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Arabic Language		

D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Computer Applications		
Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment																			
Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Histopathology 1		Third Stage First) (Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Hematology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Parasitology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Metabolic disorders		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Genetics 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Immunology 1		

D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Laboratory Techniques		

Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment																			
Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Histopathology 2		Third Stage Second) (Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Hematology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Virology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Clinical Endocrinology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical Genetics 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Immunology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Analytical Biostatistics		

Required Program Learning Outcomes																			
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Clinical Immunology 1		the fourth stage first course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Diagnostic Bacteriology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Clinical Enzymology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical parasitology and entomology 1		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Blood Transfusion		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Pathology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Antimicrobial Resistance		

D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Research Methods		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Professional Ethics		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Project		
General and Transferable Skills other skills related to employability and personal development.				Affective and Value Objectives				Program-Specific Skills Objectives				Knowledge Objectives				Essential or optional	Course Name	Course code	/ Year Level
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Clinical Immunology 2		The fourth stage Second Course
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Diagnostic Bacteriology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Clinical Chemistry		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Medical parasitology and entomology 2		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Blood Transfusion		

D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Histopathology		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Antimicrobial Resistance		
D4	D3	D2	D1	C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1	ES	Laboratory Management		