

Programme Catalogue

College Name	College Abbreviation
College of Health Sciences	HSc
Department Name (in English)	Department Abbreviation
Medical Laboratory Sciences	MLSc
Department Name (in Kurdish)	
زانستی لابۆریت پزیشکی	
Department Name (in Arabic)	
علوم المختبرات الطبية	
1. Qualification awarded	
Bachelor of Medical Laboratory Sciences	
2. Length of programme	
4 Years	
3. Number of credits	
240 credits	
4. Level of qualification according to the National Qualification Framework and the European Qualifications Framework	
First cycle, Bachelor's degree	
5. Field(s) of study (e.g. ISCED-F)	
6. Specific admission requirements (if applicable)	
No specific requirements other than grades	
7. Specific arrangements for recognition of prior learning (formal, non-formal and informal) (if applicable)	
None	
8. Qualification requirements and regulations, including graduation requirements	
1- Students should complete in not less than four years of study (8 semesters).	
2- Students should successfully pass all the required courses with grade (50/100) for each subject.	
3- Students should successfully collect 240 ECTS credits during entire study period.	
9. Profile of the programme	
Medical laboratory science (MLS) is a branch of medical science. Graduates will be able to analyze biochemical and biomedical tests of specimens and interpret results that assist in the diagnosis of disease. Furthermore, graduates will have the opportunity to work in a wide range of fields, including research, medical organizations, management, public health, and pursuing postgraduate study	
10. Programme Educational Objectives	
The Medical Laboratory Sciences program aims to graduate competent laboratory professionals who are capable of delivering safe, accurate, and ethical diagnostic services in healthcare settings. The program prepares graduates to apply theoretical knowledge and practical skills across major laboratory disciplines, maintain high standards of biosafety and quality control, work	

effectively within multidisciplinary healthcare teams, engage in lifelong learning, and adapt to advances in laboratory technologies and research

11. Programme learning outcomes

PLO1: Ability to use the basic principles of medical science, such as physiology, biochemistry, immunology, molecular biology and genetics, microbiology, toxicology, and pharmacology.

PLO2: An ability to evaluate clinical laboratory data, including biological fluid analysis, interpretation of laboratory results, and the combination of data to diagnose various disease conditions.

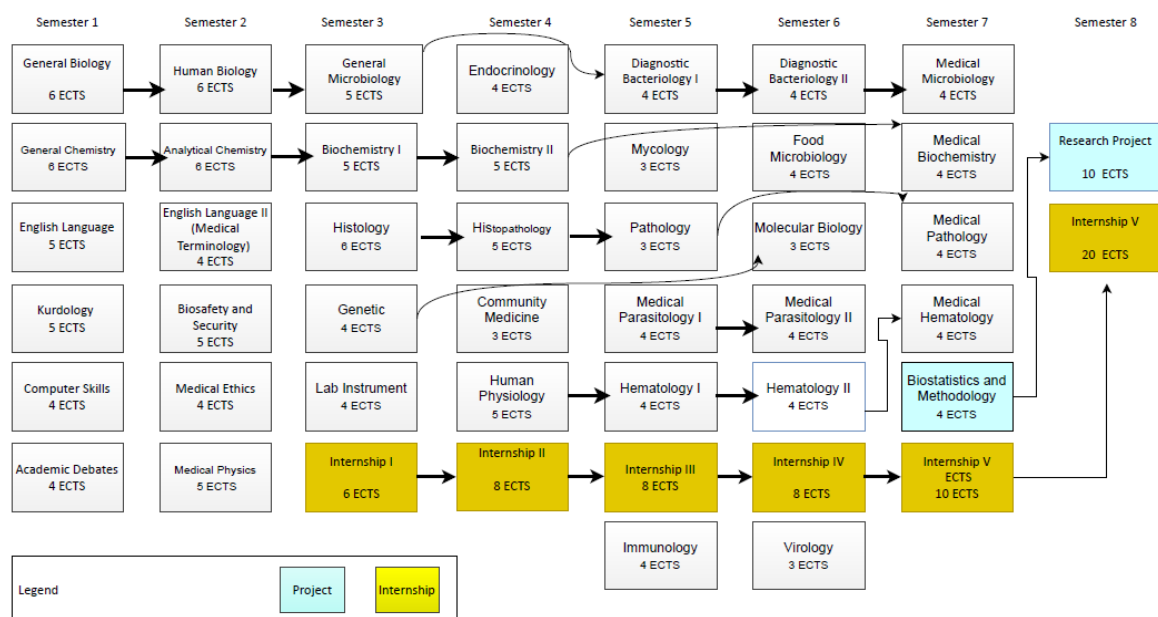
PLO3: An ability to apply basic laboratory techniques to various disease states.

PLO4: An ability to utilize knowledge and skills in their discipline in professional organizations.

PLO5: An ability to apply communication skills with patients of different ethnicities and cultures.

PLO6: Apply the skills required for testing laboratory equipment, assessing quality assurance for laboratory equipment, and working safely in the laboratory environment

12. Programme structure diagram with credits



13. Mode of Study

Full time (8hours/day), 5days/week

14. Examination regulations and grading scale

The following grading scale is used:

Percentage points	Numerical grade	Grade in report	Definition
100 - 95.0	1.0	Very good	excellent performance
< 95.0 - 93.5	1.1		
< 93.5 - 92.0	1.2		
< 92.0 - 90.5	1.3		
< 90.5 - 89.0	1.4		
< 89.0 - 87.5	1.5	Good	performance considerably above the average
< 87.5 - 86.0	1.6		
< 86.0 - 84.5	1.7		
< 84.5 - 83.0	1.8		

< 83.0 - 81.5	1.9		
< 81.5 - 80.0	2.0		
< 80.0 - 78.5	2.1		
< 78.5 - 77.0	2.2		
< 77.0 - 75.5	2.3		
< 75.5 - 74.0	2.4		
< 74.0 - 72.5	2.5		
< 72.5 - 71.0	2.6	Satisfactory	performance according to the average
< 71.0 - 69.5	2.7		
< 69.5 - 68.0	2.8		
< 68.0 - 66.5	2.9		
< 66.5 - 65.0	3.0		
< 65.0 - 63.5	3.1		
< 63.5 - 62.0	3.2		
< 62.0 - 60.5	3.3		
< 60.5 - 59.0	3.4		
< 59.0 - 57.5	3.5		
< 57.5 - 56.0	3.6	Sufficient	performance that despite shortcomings reaches requirements
< 56.0 - 54.5	3.7		
< 54.5 - 53.0	3.8		
< 53.0 - 51.5	3.9		
< 51.5 - 50.0	4.0		
< 50.0	5.0	Insufficient	performance that no longer reaches requirements on account of considerable shortcomings
15. Mobility window (if applicable)			
none			
16. Work placement(s)/internships (if applicable)			
Students in the Medical Laboratory Sciences program undertake continuous supervised clinical internships throughout their three-year (six-semester 3,4,5,6,7 and 8) study period in affiliated teaching hospitals and diagnostic laboratories within Duhok Governorate. Clinical training is integrated alongside academic coursework and covers major disciplines including hematology, clinical chemistry, microbiology, immunology, and blood bank. The placements provide progressive hands-on experience, reinforce biosafety practices, and develop students' technical competence and professional skills under qualified supervision.			
17. Work-based learning (if applicable)			
Provide information on whether the program contains (a) work placement(s) (internships; traineeships) and whether these are obligatory or optional parts of the program. Include the number of credits for (each of) the work placement (s)			
18. Programme director or equivalent			
Assistant professor Dr. Shameeran Salman Ismael Shameeran.ismael@uod.ac Mob: +9647504056337			
19. Occupational profiles of graduates			
Give a brief description of the types of jobs for which the program prepares students and/or that graduates generally fulfil.			
The graduated student can work in areas as diverse as:			

22. Facilities and Resources (Lecture halls, Labs, etc.)

The programme uses these facilities:

Type	Quantity	Capacity (students)	Type of use	Equipment included
Lecture Hull Number 2	1	35	Dedicated	Projector, whiteboard
Lecture Hull Number 5	1	35	Dedicated	Projector, whiteboard
Lecture Hull Number 6	1	35	Dedicated	Projector, whiteboard
Lecture Hull Number 9	1	50	Dedicated	Projector, whiteboard
Biology Lab	1	20	Shared	Projector, whiteboard, benches
Microbiology Lab	1	20	Shared	Projector, whiteboard, benches
Physiology Lab	1	20	Shared	Projector, whiteboard, benches
Molecular Lab	1	20	Shared	Projector, whiteboard, benches
Hematology Lab	1	20	Shared	Projector, whiteboard, benches
Computer Lab	1	15	Dedicated	15 Desktop computers, projector, whiteboard, internet
Chemistry Lab	1	20	Shared	Projector, whiteboard, benches
Parasitology Lab	1	20	Shared	Projector, whiteboard, benches
Mycology Lab	1	20	Shared	Projector, whiteboard, benches

23. Accreditation and recognition

The programme is officially recognized by the Ministry of Higher Education and Scientific Research of the Kurdistan Region Iraq and the Ministry of Higher Education and Scientific Research of Iraq.