



Bachelor of Science in MLS Program Overview



BSc. in Medical Laboratory Sciences				
	UR (University Requirements)	CR (College Requirements)	PR (Program Requirements)	Total CH
Mandatory Credits	18	24	86	128
Elective Credits	6	-	0	6
Total	24	24	86	134

University (Compulsory) Requirements: 18 credit hours			
Course No.	Course Title	CH	General Education & (Course Domain)
0202121	English For Medical Sciences	3	English Language (A)
0201102	Arabic Language	3	Arabic Language (B)
0104100	Islamic Culture	3	Islamic Studies (C)
0204102	UAE Society	3	UAE Studies (D)
0302200	Fund. of Innovation & Entrep.	3	Innovation & Entrepreneurship (E)
1501100	Introduction to IT (English)	3	Information Technology (F)

College Requirements: 24 Credit Hours		
Course No.	Course Title	CH
1430107	Physics for Health Sciences	3
1426155	General Chemistry for HS	3
0504252	Biostatistics	3
0500150	Biology	3
0500160	Human Anatomy & Physiology	3
0500161	Intr. to Health Sciences	3
0500450	Introduction to Research	3



Program Requirements: 86 Credit Hours

Course No.	Course Title	CH	Prerequisite
0501258	Molecular Genetics	4	0500150
0501253	Medical Microbiology	4	0500150
0501254	Histology	3	0500150
0501260	Biochemistry	3	1426155
0501262	Immunology and Serology	4	0500160
0501264	Histopathological Techniques	3	0501254
0501265	Diagnostic Microbiology	4	0501253
0501372	Clinical Parasitology	3	0500150
0501359	Clinical Chemistry (1)	4	0501260
0501370	Hematology (1)	4	0500160
0501371	Phlebotomy Lab	1	Co: 0501370
0501362	Hematology (2) and Coagulation	4	0501370
0501363	Pathology	3	0501254
0501364	Clinical Chemistry (2)	4	0501359
0501365	Blood Banking	3	0501262
0501366	Urinalysis and Body Fluids	2	0501359
0501454	Practicum in Hematology	3	0501370
0501451	Practicum in Microbiology	3	0501265)
0501452	Practicum in Serology	2	0501262
0501453	Lab Management and Quality Assurance	3	0501364
0501460	Practicum in Clinical Chemistry	3	0501359
0501461	Practicum in Histopathology	2	0501264
0501462	Practicum in Blood Banking	3	0501365
0501463	Medical Virology	2	0501253
0501464	Medical Mycology	2	0501253
0501465	Student Project	3	0500450
1426217	Organic Chemistry	4	1426155
1440163	Calculus for HS	3	

**University Elective
Requirements:
6 Credit Hours**

Choose one from each domain

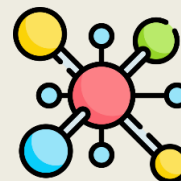
Course No.	Course Title	CH
0203100	Islamic Civilization	3
0602246	Human Rights in Islam & International Declarations	
0201140	Intro. to Arabic Literature	
0202130	French Language	
0203102	History of the Arabian Gulf	
0900107	History of Medical and Health Sciences	
0710109	Arts and Medicine	
0203200	History of Sciences among Muslims	
0206102	Fundamentals of Islamic Education	
0206103	Introduction to Psychology	
0308150	Introduction to Economics (Non-B)	
0308131	Personal Finance	
0800107	Media in Modern Societies	
0104130	Analytical Biography of the Prophet	
0103103	Islamic System	
0302150	Introduction to Business Administration for Non-Bus	

Domain G:
Humanities Social & Arts



Course No.	Course Title	CH
1430101	Astro & Space Sciences	3
0401142	Man and The Environment	
1450100	Biology and Society	
0505101	Fitness and Wellness	
0507101	Health Awareness and Nutrition	

Domain H:
Natural & Health Sciences



Your University Journey Begins Here!

Bachelor of Science in MLS Study Plan (134 Credit Hours)

START

Year 1

Level 1 (Freshman)

**F
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Year 1, Semester 1, Fall (16 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0201102	Arabic Language	3	
0202121	English for Medical Sciences	3	
0500150	Biology	4	
0500161	Introduction to Health Sciences	2	
1426155	General Chemistry for HS	4	

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Year 1, Semester 2, Spring (17 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0104100	Islamic Culture	3	
1411100	Introduction to IT (English)	3	
0500160	Human Anatomy and Physiology	4	0500150
1430107	General Physics for Health Sciences	4	
0204102	UAE Society	3	

Year 2

Level 2 (Sophomore)

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Year 2, Semester 3, Fall (18 credit hours)			
Course No.	Course Title	CH	Pre-requisite
1440163	Calculus for HS	3	
0501258	Molecular Genetics	4	0500150
0501253	Medical Microbiology	4	0500150
0501254	Histology	3	0500150
1426217	Organic Chemistry	4	1426155

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Year 2, Semester 4, Spring (17 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0501260	Biochemistry	3	1426155
0501262	Immunology and Serology	3	0500160
0501264	Histopathological Techniques	4	0501254
0501265	Diagnostic Microbiology	4	0501253
0302200	Fund. of Innovation & Entrep.	3	30 Credit Hours Required

Year 3

Level 3 (Junior)

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Year 3, Semester 5, Fall (18 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0501359	Clinical Chemistry (1)	4	0501260
0501370	Hematology (1)	4	0500160
0501371	Phlebotomy Lab	1	Co.: 0501370
0501372	Clinical Parasitology	3	0500150
0504252	Biostatistics	3	
	University Elective (1)	3	

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Year 3, Semester 6, Spring (19 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0501364	Clinical Chemistry (2)	4	0501359
0501362	Hematology (2) and Coagulation	4	0501370
0501363	Pathology	3	0501254
0501365	Blood Banking	3	0501262
0501366	Urinalysis and Body Fluids	2	0501359
	University Elective (2)	3	

Year 4

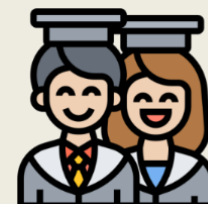
Level 4 (Senior)

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Year 4, Semester 7, Fall (14 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0500450	Introduction to Research	3	0504252
0501451	Practicum in Microbiology	3	0501265
0501452	Practicum in Serology	2	0501262
0501453	Lab Management and Quality Assurance	3	0501364
0501454	Practicum in Hematology	3	0501370

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Year 4, Semester 8, Spring (15 credit hours)			
Course No.	Course Title	CH	Pre-requisite
0501460	Practicum in Clinical Chemistry	3	0501359
0501461	Practicum in Histopathology	2	0501264
0501462	Practicum in Blood Banking	3	0501365
0501463	Medical Virology	2	0501253
0501464	Medical Mycology	2	0501253
0501465	Student Project	3	0500450



You did it!!



Four Years Journey to Your Graduation

Year 1

Year 2

Year 3

Year 4

Fall (16 CH)

Spring (17 CH)

Fall (18 CH)

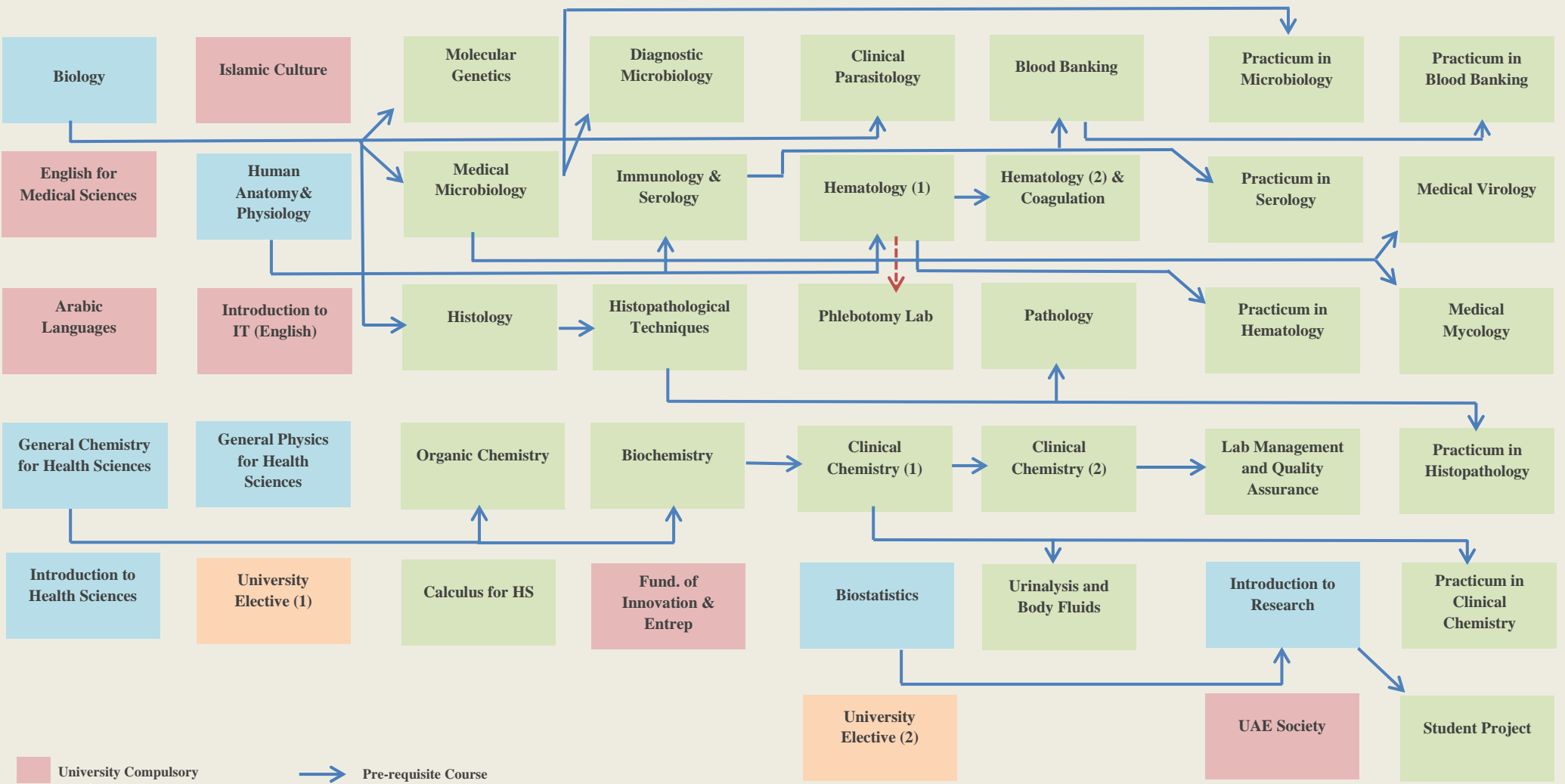
Spring (17 CH)

Fall (18 CH)

Spring (16 CH)

Fall (17 CH)

Spring (15 CH)



- University Compulsory
- College Compulsory Courses
- Major Compulsory Courses
- University Elective Courses

- Pre-requisite Course
A course that must be completed in a term earlier than the course for which registration is attempted.
- Co-requisite Course
A course that must be taken in the same term as the course it is a co-requisite to.