LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Mathematics
Major Code: BMATH
Level: underGraduate
Number Of Credits: 99
Version: 3 | 26-08-2026

Bachelor of Mathematics (BMATH)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161	
PHYS210	Mechanics	3	PHYS161-MATH161-PHYS160-MATH160-ENGL051	
MATH210	Calculus II	3	MATH161-MATH160	
ENGL201	Composition and Research Skills	3	ENGL151	
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH220	Calculus III	3	MATH210	
MATH260	Discrete Mathematics	3		MATH225-MATH260L
CSCI250	Introduction to Programming	3		ENGL101-CSCI250L
MATH270	Ordinary Differential Equations	3	MATH225-MATH210	
MATH260L	Discrete Mathematics Lab	1		MATH225-MATH260
CSCI250L	Introduction to Programming Lab	1		ENGL101-CSCI250
PHYS250	Thermodynamic and Waves	3	PHYS161-PHYS160-MATH161-MATH160-ENGL051	
Total		17		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH345	Introduction to Real Analysis	3	MATH220	
MATH315	Advanced Linear Algebra	3	MATH225	
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
CULT200	Introduction to Arab - Islamic Civilization	3		
PHYS280	Electricity and Magnetism	3	MATH210	
MATH305	Programming Languages for Scientist	3	MATH220	
Total		18		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
PHYS360	Analytical Mechanics	3	PHYS210-MATH270	
MATH365	Abstract Algebra	3	MATH315	
MATH375	Numerical Methods for Scientists & Engineers	3	MATH270-MATH225	
MATH380	Complex Variables	3	MATH220	
MATH385	Introduction to Topology	3	MATH345	
	General Education Electives	3		
Total		18		

Third Year				
Fall Semester				
Code	**Title**	**Credits**	**Prerequisites**	**Corequisites**
	Major Elective	3		
MATH420	Differential Geometry	3	MATH345	
ENGL251	Communication Skills	3	ENGL201	
MATH405	Number Theory	3	MATH315	
MATH330	Partial Differential Equations	3	MATH270	
Total		15		
Spring Semester				
Code	**Title**	**Credits**	**Prerequisites**	**Corequisites**
MATH490	Modern Topics in Algebra	3	MATH365	
ARAB200	Arabic Language and Literature	3		
MATH492	Mathematical Seminar	1	MATH385	
	General Education Electives	3		
MATH455	Mathematical Analysis	3	MATH345	
	Major Elective	3		
Total		16		