LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Mathematics
Major Code: BMATH
Level: undergraduate
Number Of Credits: 99
Date: 30-09-2026

Bachelor of Mathematics (BMATH)

Major Electives

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
	Total	6		

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
CSCI250	Introduction to Programming	3		ENGL101-CSCI250L
CSCI250L	Introduction to Programming Lab	1		ENGL101-CSCI250
MATH210	Calculus II	3	MATH161-MATH160	
MATH220	Calculus III	3	MATH210	
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161	
MATH260	Discrete Mathematics	3		MATH225-MATH260L
MATH260L	Discrete Mathematics Lab	1		MATH225-MATH260
MATH270	Ordinary Differential Equations	3	MATH225-MATH210	
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
PHYS210	Mechanics	3	PHYS161-MATH161-PHYS160-MATH160-ENGL051	
PHYS250	Thermodynamic and Waves	3	PHYS161-PHYS160-MATH161-MATH160-ENGL051	
PHYS280	Electricity and Magnetism	3	MATH210	
PHYS360	Analytical Mechanics	3	PHYS210-MATH270	
	Total	35		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
MATH305	Programming Languages for Scientist	3	MATH220	
MATH315	Advanced Linear Algebra	3	MATH225	
MATH330	Partial Differential Equations	3	MATH270	
MATH345	Introduction to Real Analysis	3	MATH220	
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	
MATH405	Number Theory	3	MATH315	
MATH420	Differential Geometry	3	MATH345	
MATH455	Mathematical Analysis	3	MATH345	
MATH490	Modern Topics in Algebra	3	MATH365	
MATH492	Mathematical Seminar	1	MATH385	
	Total	37		

General Education Requirements

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
	Total	12		

General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
Set A	General Education Electives	3		

Set B	General Education Electives	3		
Set C	General Education Electives	3		
	Total	9		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
MATH400 (Set A)	Special Functions	3	MATH345	
MATH460 (Set A)	Functional Analysis	3	MATH345	
MATH465 (Set A)	Selected Topics in Undergraduate Mathematics	3	MATH260	
MATH495 (Set A)	Mathematics Senior Project	3	MATH385	

General Education Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
ARAB220 (Set A)	Creative Writing in Arabic	3		
ARTS204 (Set A)	Introduction to Theater	3		
ARTS215 (Set A)	History of Arts	3		
BACC200 (Set A)	Financial Accounting	3		
BECO210 (Set A)	Introduction to Microeconomics	3		
BECO260 (Set A)	Introduction to Macroeconomics	3		
BMED210 (Set A)	Introduction to Community Health	3		
BMTH210 (Set A)	Business and Managerial Math	3		
BSTA205 (Set A)	Introduction to Business Statistics	3		
COMM200 (Set A)	Introduction to Communication Studies	3		
COMM205 (Set A)	Introduction to Western Civilization	3		
COMM220 (Set A)	Rhetoric & Persuasion	3		
CSCI200 (Set A)	Introduction to Computers	3		
CSCI205 (Set A)	Computer Science Overview	3		
ENVR200 (Set A)	Environmental Science	3		
GEE200 (Set A)	General Topics in Cooperation and Collaboration	3		
GEE201 (Set A)	General Topics in Communication	3		
GEE203 (Set A)	General Topics in Culture and Diversity	3		
GEE204 (Set A)	General Topics in Critical Thinking and Problem Solving	3		
GEE205 (Set A)	General Topics in Quantitative and Qualitative Literacy	3		
HUMN200 (Set A)	Community Service	3		
HUMN215 (Set A)	Introduction to Civic Society	3		
LANG200 (Set A)	Beginners Russian	3		
LANG221 (Set A)	Introduction To Italian	3		
LANG222 (Set A)	Introduction To French	3		
LANG225 (Set A)	Introduction To German	3		
LANG226 (Set A)	Introduction to Portuguese	3		
NUTR200 (Set A)	Nutrition and Health	3		
PHED200 (Set A)	Sports and Health	3		
PHIL200 (Set A)	Introduction to Philosophy	3		
PHIL205 (Set A)	Introduction to Ethics	3		
PHIL210 (Set A)	World Religions	3		
POLS205 (Set A)	World Current Affairs	3		
POLS230 (Set A)	Lebanese Labor Law	3		
POLS240 (Set A)	The Arab Israeli Conflict	3		
SPAN200 (Set A)	Introduction to Spanish	3		
SSCI200 (Set A)	Introduction to Sociology	3		
SSCI205 (Set A)	Introduction to Psychology	3		
SSCI215 (Set A)	Introduction to Music	3		