



**L E B A N E S E
I N T E R N A T I O N A L
U N I V E R S I T Y**

Major Title: Bachelor of Mathematics
Major Code: BMATH
Level: underGraduate
Number Of Credits: 99
Version: 2
Version
Date: 2025-08-21 11:45:46

Bachelor of Mathematics (BMATH)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH210	Calculus II	3	MATH161-MATH160	
CSCI200	Introduction to Computers	3	ENGL051	
ENGL201	Composition and Research Skills	3	ENGL151	
MATH225	Linear Algebra with Applications	3	MATH160-ENGL051-MATH161	
PHYS210	Mechanics	3	PHYS161-MATH161-PHYS160-MATH160-ENGL051	
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI250	Introduction to Programming	3	CSCI200	ENGL101-CSCI250L
MATH260	Discrete Mathematics	3	MATH225	MATH260L
MATH220	Calculus III	3	MATH210	
PHYS250	Thermodynamic and Waves	3	PHYS210	
MATH270	Ordinary Differential Equations	3	MATH210	MATH225
CSCI250L	Introduction to Programming Lab	1	CSCI200	ENGL101-CSCI250
MATH260L	Discrete Mathematics Lab	1	MATH225	MATH260
Total		17		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH305	Programming Languages for Scientist	3	MATH220	
MATH315	Advanced Linear Algebra	3	MATH225	
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
MATH345	Introduction to Real Analysis	3	MATH270-MATH220	
PHYS280	Electricity and Magnetism	3	PHYS250	
CULT200	Introduction to Arab - Islamic Civilization	3		
Total		18		

Spring Semester

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

Total	18	
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Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
ENGL251	Communication Skills	3	ENGL201	
MATH330	Partial Differential Equations	3	MATH270	
MATH420	Differential Geometry	3	MATH345	
MATH405	Number Theory	3	MATH315	
	Major Elective	3		
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
MATH492	Mathematical Seminar	1	MATH385	
ARAB200	Arabic Language and Literature	3		
MATH490	Modern Topics in Algebra	3	MATH365	
	General Education Electives	3		
MATH455	Mathematical Analysis	3	MATH345	
Total		16		