LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Master of Science in Applied Mathematics
Major Code: MMTH
Level: graduate
Number Of Credits: 36
Date: 30-09-2026

Master of Science in Applied Mathematics (MMTH)

Major Electives

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
	Major Elective	3		
	Major Elective	3		
	Total	12		

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
MATH502	Algebra	3		
MATH505	Numerical Linear Algebra	3		
MATH510	Real Analysis	3		
MATH520	Functional Analysis	3		
MATH522	Topology	3		
MATH560	Modern Differential Geometry	3		
	Total	18		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
MATH649	Master Thesis (Part I)	3		
MATH699	Master Thesis (Part II)	3		
	Total	6		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
MATH500 (Set A)	Complex Analysis	3		
MATH518 (Set A)	Topics in Number Theory	3		
MATH540 (Set A)	Partial Differential Equations	3		
MATH545 (Set A)	Ordinary Differential Equations	3		
MATH555 (Set A)	Dynamical Systems	3		
MATH556 (Set A)	Matrix Theory	3		
MATH583 (Set A)	Topics in Mathematics	3		
MATH585 (Set A)	Topics in Applied Mathematics	3		

Year and semester information from the original contract sheet

Course / elective	Year	Semester
Major Elective 1	First	Fall
Major Elective 2	Second	Fall
Major Elective 3	First	Spring
Major Elective 4	Second	Spring
MATH502	First	Fall
MATH505	First	Spring
MATH510	First	Spring
MATH520	Second	Fall
MATH522	First	Fall
MATH560	Second	Spring
MATH649	Second	Fall
MATH699	Second	Spring