



## Study plan of the Master of Science in Mathematics program (Research project) (Number of program hours = 42)

### First Year

First level				Second level			
Code	Course Name	Hr	Requisite	Code	Course Name	Hr	Requisite
6205MATH-4	Mathematical Analysis	4		6207MATH-4	Measure Theory	4	
6407MATH-4	Abstract Algebra	4		6409MATH-4	Linear Algebra	4	
6605MATH-4	Numerical Analysis	4		6607MATH-4	Differential Equations	4	
<b>Total</b>		<b>12</b>		<b>Total</b>		<b>12</b>	

### Second Year

Third level				Forth level			
Code	Course Name	Hr	Requisite	Code	Course Name	Hr	Requisite
6903MATH-3	Research Project Part (A)	3		6904MATH-3	Research Project Part (B)	3	
****MATH-3	Elective Course 1	3		****MATH-3	Elective Course 4	3	
****MATH-3	Elective Course 2	3		<b>Total</b>		<b>6</b>	
****MATH-3	Elective Course 3	3					
<b>Total</b>		<b>12</b>					

### Elective courses

Code	Course Name	Hr	Requisite
6209MATH-3	Complex Analysis	3	-----
6210MATH-3	Functional Analysis	3	-----
6211MATH-3	Theory of Partial Differential Equations	3	-----
6212MATH-3	Special Topics in Analysis	3	-----
6213MATH-3	Special Topics in Applied Analysis	3	-----
6411MATH-3	Commutative Algebra	3	-----
6412MATH-3	Number Theory	3	-----
6413MATH-3	Special Topics in Algebra	3	-----
6414MATH-3	Special Topics in Number Theory	3	-----
6609MATH-3	Introduction to Dynamical Systems	3	-----
6610MATH-3	Introduction to Graph Theory	3	-----
6611MATH-3	Mathematical Modelling	3	-----
6612MATH-3	Matrix Computation	3	-----
6613MATH-3	Numerical Solutions of Differential Equations	3	-----
6614MATH-3	Nonlinear Optimization	3	-----
6615MATH-3	Special Topics in Applied Mathematics	3	-----
6702MATH-3	Topology	3	-----
6703MATH-3	Differential Geometry	3	-----