

**CURRICULUM**  
**Master of Science in Mathematics**  
(M.Sc. Mathematics)  
(Revised SY 2012-2013)

Course Code	Descriptive Title	Units
<b>A. Basic Course</b>		<b>3</b>
MATH 706	Graduate Seminar in Mathematics	3
<b>B. Major / Core Courses</b>		<b>15</b>
MATH 701	Abstract Algebra 1	3
MATH 702	Complex Analysis	3
MATH 703	Linear Algebra	3
MATH 704	Real Analysis I	3
MATH 705	Combinatorics of Finite Geometries	3
<b>C. Elective Courses</b>		<b>12</b>
Elective 1	To be chosen from the list of Electives	3
Elective 2		3
Elective 3		3
Elective 4		3
<b>D. Master's Thesis</b>		<b>6</b>
TW 1	Thesis Writing 1	3
TW 2	Thesis Writing 2	3
<b>TOTAL UNITS</b>		<b>36</b>

**List of Electives**

<i>Descriptive Title</i>	<i>Units</i>
Abstract Algebra II	3
Algebraic Number Theory	3
Coding Theory	3
Combinatorial Mathematics	3
Design Theory	3
Differential Geometry	3
Functional analysis	3
Game Theory	3
Geometric Crystallography	3
Graph Theory	3
Group Theory	3
Lie algebra	3
Mathematical Statistics	3
Numerical Analysis	3
Probability Theory	3
Projective Geometry	3
Real Analysis II	3
Set Theory	3
Differential Equations	3
Topology	3
Selected Topics in Mathematics	3