

M. Sc. Curriculum (MATHEMATICS)

Course Category	Course No.	Course Title	Contact			Credit	Prerequisites
			Hours				
			L	T	P		
Core Courses (52 credits)	MA 401	Real Analysis	3	1	0	4	None
	MA 402	Linear Algebra	3	1	0	4	None
	MA 403	Numerical Analysis	3	0	2	4	None
	MA 404	Ordinary Differential Equations	3	1	0	4	None
	MA 405	Number Theory	3	1	0	4	None
	MA 406	Computer Programming	2	0	4	4	None
	MA 407	Complex Analysis	3	1	0	4	None
	MA 408	Abstract Algebra	3	1	0	4	None
	MA 409	Partial Differential Equations	3	1	0	4	Ordinary Differential Equations
	MA 410	Graph Theory	3	1	0	4	None
	MA 411	Techniques of Applied Mathematics	3	1	0	4	Real Analysis
	MA 501	Introductory Measure Theory	3	1	0	4	Real Analysis
	MA 502	Functional Analysis	3	1	0	4	Linear Algebra & Real Analysis
Electives (12 Credits)	MA 531	Probability and Statistics	3	1	0	4	None
	MA 532	Fluid Mechanics	3	0	0	3	Partial Differential Equations
	MA 533	Operations Research	3	0	0	3	Linear Algebra
	MA 534	Numerical Linear Algebra	3	0	2	4	Linear Algebra
	MA 535	Rings and Modules	3	1	0	4	Abstract Algebra
	MA 536	Topology	3	0	0	3	Real Analysis
	MA 537	Fourier Analysis and Applications	3	0	0	3	Real Analysis
Electives shall include any other course of appropriate level offered in the Institute and recommended by the DAC							
Seminar & Term paper (2 Credits)	MA 461	Comprehensive Viva-Voce	0	0	0	2	None
Project Works (14 credits)	MA 571	Project I	0	0	8	4	None
	MA 572	Project II	0	0	20	10	None