

**Department of Mathematics and Statistics**  
**Template for the 2 year Msc programme in Mathematics**

YEAR I				YEAR II			
Semester I		Semester II		Semester III		Semester IV	
Course	L-T-P-D[Unit]	Course	L-T-P-D[Unit]	Course	L-T-P-D[Unit]	Course	L-T-P-D[Unit]
MTH201	3-1-0-0[4]	MTH308	3-1-0-0[4]	MTH305	3-1-0-0[4]	OE-2	3-0-0-0[4]/ 3-1-0-0[4]
MTH204	3-1-0-0[4]	MTH421	3-1-0-0[4]	MTH403	3-1-0-0[4]	OE-3	3-0-0-0[4]/ 3-1-0-0[4]
MTH301	3-1-0-0[4]	DE-1	3-0-0-0[4]/ 3-1-0-0[4]	OE-1	3-0-0-0[4]/ 3-1-0-0[4]	OE-4	3-0-0-0[4]/ 3-1-0-0[4]
MTH409	2-1-1-0[4]	DE-2	3-0-0-0[4]/ 3-1-0-0[4]	DE-4	3-0-0-0[4]/ 3-1-0-0[4]	DE-6	3-0-0-0[4]/ 3-1-0-0[4]
MTH428	3-1-0-0[4]	DE-3	3-0-0-0[4]/ 3-1-0-0[4]	DE-5	3-0-0-0[4]/ 3-1-0-0[4]	DE-7	3-0-0-0[4]/ 3-1-0-0[4]

GROUP ELECTIVES			
Group A		Group B	
Course	L-T-P-D[Unit]	Course	L-T-P-D[Unit]
MTH304	3-1-0-0[4]	MTH424	3-1-0-0[4]
MTH404	3-1-0-0[4]	MTH523	3-1-0-0[4]
MTH405	3-1-0-0[4]	MTH426	3-0-0-2[4]

**Note:** As a part of the departmental elective (DE) courses, a student must take all the three courses from either Group A or Group B.

**List of courses**

- MTH201 Linear algebra
- MTH204 Algebra I
- MTH301 Analysis I
- MTH304 Topology
- MTH305 Several variable calculus and differential geometry
- MTH308 Principles of numerical computation
- MTH403 Complex analysis
- MTH404 Analysis II
- MTH405 Functional analysis
- MTH409 Computer programming and data structures
- MTH426 An Introduction to Mathematical Modelling
- MTH421 Ordinary differential equations
- MTH424 Partial differential equations
- MTH428 Mathematical methods
- MTH523 Fluid mechanics