M.Sc Program

Course Objective:

To produce students with good mathematical background for research both in Mathematics and in the broad area of computing.

Targeted Students:

B.Sc/B.Tech with Mathematics for at least two years/four semesters

Salient features

- The first semester is common to both the streams.
- Freedom to choose between ‘Mathematics’ and ‘Mathematics and Computing’ streams based on the electives chosen in the 2^{nd} – 4^{th} semesters.
- Sufficient emphasis on building firm foundational knowledge.
- Exposure to research through mandatory project work.

M.Sc. Mathematics and M.Sc (Mathematics & Computing)

Semester I		**Semester II**		**Semester III**		**Semester IV**	
Analysis I : Single Variable Functions	3	Complex Analysis	3	Analysis II: Multi Variable Functions	3	Advanced Course-I	3
Linear Algebra	3	Modern Algebra	3	Functional Analysis	3	Advanced Course-II	3
Ordinary Differential Eqns	3	Measure and Integration.	3	Partial Differential Eqns	3	Elective III	3
Probability & Statistics	3	Discrete Mathematics	3	Elective II	3	Elective IV	3
Programming	3	Elective I	3	Thesis I	6	Thesis II	6
			3				
Total	**15**		**15**		**18**		**18**
4 Core + 1 Lab		4 Core + 1 Elec		3 Core + 1Elec+ 1 Thesis		2 Core + 2Elec+ 1 Thesis	

Credit/Course Distribution

- Core courses: 11 (common to both streams)
- Compulsory Programming cum lab courses: 1 (for both streams)
- Total no. of electives : 4 (3 core+ 1 open)
- Advanced stream specific courses: 2 (for both streams)
- Thesis units : 12 (equivalent to 4 courses)
- Total credits: 66

About Alumni:

- The Department has graduated 4 batches so far.
- Some of our alumni are doing PhD in reputed Universities in Japan and USA.
- Some others have joined both academia and industry