

The subjects to be covered in the syllabi of M.Sc. (Mathematics) are given at Annexure 12.

**Annexure 12:**

<b>M.Sc. (Mathematics)</b>	<b>Credit</b>
<b>Subjects</b>	
<b>First Semester</b>	<b>26</b>
Complex Analysis and Laplace Transforms	4
Ordinary Differential Equations	4
Numerical Analysis	4
Graph Theory-1	4
Programming using MATLAB and C++	8
Basics of Yoga	2
<b>Second Semester</b>	<b>26</b>
Graph Theory-2	4
Applied Mechanics	4
Partial Differential Equations	4
Applied Analysis	4
Programming using JAVA and Python	8
A Soft Skills and Personality Development	2
<b>Third Semester</b>	<b>26</b>
Fourier Analysis	4
Fluid Dynamics	4
Numerical Methods for Partial Differential Equations	4
Optimizations	4
Practical on Numerical Methods for PDEs and Optimization	8
Computer Application	2
<b>Fourth Semester</b>	<b>24</b>
Assignments/ Group Discussion/ Scientific Writing	4
Seminar	4
Dissertation	16
<b>Total Credits</b>	<b>102</b>