

**Birla Institute of Technology & Science Pilani, Rajasthan**

**M.Sc (Hons.) Biological Sciences**

Semester wise pattern for students admitted to First degree program - M.Sc (Hons.) Biological Sciences :

<b>Year</b>	<b>First Semester</b>	<b>Second Semester</b>
1	<b>General Biology</b> <b>Chemistry I</b> Thermodynamics Mathematics I Physics I Engineering Graphics	Probability and statistics <b>Chemistry II</b> Mathematics II Physics II Workshop Practice Computer Programming I
2	Electrical Sciences I Mathematics III Computer Programming II <b>Biological Chemistry</b> <b>Microbiology</b> Principles of management Measurement Techniques I	Structure and Properties of Materials Electrical Sciences II Measurement Techniques II Technical Report Writing
Summer	Practice School I	
3	<b>Cell Biology</b> <b>General Physiology</b> <b>Biophysics</b> Operations Research Optimisation One Elective	<b>Developmental Biology</b> <b>Ecology</b> <b>Genetics</b> <b>Laboratory</b> <b>Instrumental Methods of Analysis</b> Numerical Analysis
4	Five Elective Courses	Practice School II  or  Dissertation

**Elective Courses Offered:**

Cell and Tissue Culture Technology, Introduction to Bioinformatics, Genetic Engineering, Immunology, Enzymology, Biochemical Engineering, Bioprocess Technology, Recombinant DNA Technology, Special Projects