

Birla Institute of Technology & Science Pilani, Rajasthan

M.Sc. (Hons) Chemistry

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

Year	First Semester	Second Semester
1	General Biology Chemistry I Thermodynamics Mathematics I Physics I Engineering Graphics	Probability and Statistics Chemistry II Mathematics II Physics II Workshop Practice Computer Programming I
2	Electrical Sciences I Mathematics III Computer Programming II Principles of Management Measurement Techniques I One Elective	Structure and Properties of Materials Electrical Sciences II Atomic & Molecular Structures Chemistry of Organic Compounds Measurement Techniques II Technical Report Writing
Summer	Practice School I	
3	Instrumental Methods of Analysis Chemical Kinetics Chemical Thermodynamics Quantum Chemistry Structure and Reactivity of Organic Compounds Optimisation One Elective	Synthetic Organic Chemistry Bonding in Inorganic Compounds Chemical Experimentation Biophysical Chemistry Computational Chemistry Polymer Chemistry Stereochemistry and Reaction Mechanisms Statistical Thermodynamics Operations Research Numerical Analysis
4	Six Elective Courses	Practice School II or Dissertation

Elective Courses Offered:

Chemistry of Nontransitional Elements Elements, Coordination Chemistry, Chemistry of Inorganic Compounds, Photochemistry and Laser Spectroscopy, Theoretical Inorganic Chemistry, Biochemical Engineering, Physical Pharmacy, Nuclear & Radiochemistry, Special Projects,