

Birla Institute of Technology & Science Pilani, Rajasthan

B.E. (Hons) Mechanical Engineering

Semester wise pattern for students admitted to First degree program - B.E. (Hons) Mechanical Engineering :

Year	First Semester	Second Semester
1	General Biology Biology Laboratory General Chemistry Chemistry Laboratory Mathematics I Physics Laboratory Mechanics, Oscillations and Waves Engineering Graphics	Probability and Statistics Technical Report Writing Mathematics II Workshop Practice Computer Programming Electrical Sciences Thermodynamics
2	Humanities Electives Mathematics III Materials Science & Engineering Fluid Mechanics Applied Thermodynamics Mechanics of Solids Mechanical Engineering Laboratory	IC Engines Machine Design & Drawing Production Techniques I Kinematics & Dynamics of Machinery Humanities Electives Principles of Economics or Principles of Management
Summer	Practice School I	
3	Open/Humanities Electives Heat Transfer Production Techniques II Advanced Mechanics of Solids Discipline Electives	Open/Humanities Electives Prime Movers and Fluid Machines Mechanical Vibrations Computer Aided Design Engineering Optimization Discipline Electives
4	Open Electives Discipline Electives	Practice School II or Thesis or Thesis and Electives

Elective Courses Offered:

Production Planning & Control, Computer Aided Manufacturing, Automotive Vehicles, Advances in Materials Science, Quality Control, Assurance and Reliability, Mechanical Equipment Design, Composite Materials & Design, Refrigeration and Air conditioning, Precision Engineering, Project Appraisal, Special Project, Supply Chain Management.