

Birla Institute of Technology & Science Pilani, Rajasthan

B.E. (Hons) Civil Engineering

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

Year	First Semester	Second Semester
1	Mathematics I General Biology Chemistry I Physics I Thermodynamics Workshop Practice	Chemistry II Physics II Computer Programming I Engineering Graphics Mathematics II Probability and Statistics
2	Mathematics III Measurement Techniques I Electrical Sciences I Computer Programming II Mechanics of Solids Technical Report Writing	Principles of Management Measurement Techniques II Electrical Sciences II Structure and Properties of Material Transport Phenomena I Analysis of Structures
Summer	Practice School I	
3	Design of Steel Structures Soil Mechanics and Foundation Engineering Hydraulics and Fluid Mechanics Geodesy Numerical Analysis Optimization	Design of Concrete Structures Construction Planning and Technology Transportation Engineering Water and Waste Water Treatment Operations research Control Systems
4	Six Elective Courses	Practice School II or Dissertation

Elective Courses offered:

Introduction to Environmental Engineering; Computer Applications in Civil Engineering; Introduction to Water Resource Engineering; Design of Bridge Structures; Structural Dynamics; Refrigeration and Air Conditioning; Introduction to Finite Element Method; Geographical Information Systems;