

Birla Institute of Technology & Science Pilani, Rajasthan

B.E. (Hons) Electronics & Instrumentation

Semester wise pattern for students admitted to First degree program - B.E. (Hons) Electrical & Instrumentation :

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 Mechanics of Solids Measurement Techniques I Technical Report Writing	Structure and Properties of Materials Electrical Sciences II Circuits & Signals Microprocessor Programming & Interfacing Principles of Management Measurement Techniques II
Summer	Practice School I	
3	Microelectronic Circuits Transducers & Measurement Systems Digital Electronics and Computer Organization Optimisation Control Systems	Numerical Analysis Industrial Instrumentation and Control Electronic Instruments and Instrumentation Technology Analog Electronics Operations Research
4	Six Elective Courses	Practice School II or Dissertation

Elective Courses Offered:

Data Structures & Algorithms, Electronic Devices & Integrated Circuits, Electromechanical Energy Conversion, Analysis Instrumentation, Opto-Electronic Instruments, Telecommunication Switching Systems & Networks, Digital Systems, Real-Time Systems, Process Control, Power Electronics, Electronic Measurements and Instrumentation, Medical Instrumentation, Special Projects