

Birla Institute of Technology & Science Pilani, Rajasthan

B.E. (Hons) Electrical & Electronics Engineering

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

| 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 | Electromechanical Energy Conversion Electronic Devices & Integrated Circuits Digital Electronics and Computer Organization Microelectronic Circuits Optimisation Control Systems | Analog Electronics Communications Systems Operations Research Numerical Analysis Power Systems Electromagnetic Fields & Waves Power Electronics |
| 4 | Six Elective Courses | Practice School II or Dissertation |

Elective Courses Offered:

Digital Signal Processing, Digital Communication, Computer Based Control Systems, Digital Systems, Modern Control Systems, Combinatorial Mathematics, Medical Instrumentation, Television Engineering, Real-Time Systems, Electromagnetic Fields & Microwave Engineering, Discrete Mathematical Structures, Advanced Power Systems, Electronic Measurements and Instrumentation, Satellite Communications, Special Projects.