B.TECH IN Electronics and Communication Engineering

Course Code	Course Name
MA102	Calculus and Differential Equations
CY102	Chemistry[2]
PY103	Physics[1]
CL103	Environment Studies[1]
CE104	Computer Programming[1]
ME103	Engineering Graphics[2]
EE103	Elements of Electrical and Electronics Engineering[1]
HS101B/HS101I*	English Communication[2]
ME104	Mechanical Workshop[2]
EE104	Electrical Workshop[1]

Gr-1 A to G Divisions; Gr-2 H to N Divisions

*HS101B & HS101I English Communication would be offered to Vernacular & English medium students respectively

Semester II

Course Code	Course Name
MA202	Linear Algebra
CY102	Chemistry[1]
PY103	Physics[2]
CL103	Environment Studies[2]
CE104	Computer Programming[2]
ME103	Engineering Graphics[1]
EE103	Elements of Electrical and Electronics Engineering[2]
HS101B/HS101I*	English Communication[1]
EC101	Introduction to Electronics and Communication Engineering
ME104	Mechanical Workshop[1]
EE104	Electrical Workshop[2]

Semester III

Course Code	Course Name
2EC301	Electronic Devices and Circuits
2EC302	Signals and Systems
2EC303	Digital Logic Design
2EC304	Network Theory
2MA304	Vector Calculus, Complex Variable and Probability Distribution
2HS342	Principles of Economics
2EC305	Digital Design Laboratory

Semester IV

Course Code	Course Name
2EC401	Electromagnetics and Wave Propagation

2EC402	Analog Circuits
2EC403	Communication Systems
2EC404	Microprocessors and Microcontrollers
2IC421	Control Systems
2HS341	Principles of Management

Semester V

Course Code	Course Name
2EC501	VLSI Design
2EC502	Digital Signal Processing
2EC503	Digital Communication
2ECDE51	Image Processing
2ECDE52	Fiber Optic Communication
2ECDE53	Mobile Programming
2ECDE54	System on Chip Design
2ECDE55	Scripting Language

Semester VI

Course Code	Course Name
2EC601	Computer Architecture
2EC602	Machine Learning
2ECDE01	Speech and Audio Processing
2ECDE02	Satellite Communication
2ECDE03	Optical Devices and Networks
2ECDE04	Analog CMOS Integrated Circuits
2ECDE05	Electronic System Design
2ECDE56	Multimedia System
2ECDE57	Wireless Communication
2ECDE58	Information and Coding Theory
2ECDE59	Testing and Verification of Digital Circuits
2ECDE60	Embedded Systems

Semester VII

Course Code	Course Name
2EC701	Microwave and Antenna Engineering
2EC702	Computer Networks
2EC703	Minor Project
2EC704	Summer Internship
2ECDE06	Estimation and Detection Theory
2ECDE07	RF Communication Circuits
2ECDE08	Broadband Wireless Communication
2ECDE09	MEMS Design
2ECDE10	Modern Processor Architecture
2ECDE11	Cyber Physical System
2ECDE62	Computer Vision
2ECDE63	High Performance VLSI Design
2ECDE64	Wireless Sensor Networks

2ECDE65	Internet of Things
2ECDE66	Embedded Operating Systems
2ECDE67	Single Board Computers for Electronic System Design

Semester VIII

Course Code	Course Name
2EC801	Major Project