

B. Tech. (Hons.) ECE Curriculum

Total credit = 182

Semester I

PHY 101	Physics I	4	
MTH 102	Mathematics I	4	
ECE 103	Electronics I	5	
CSE 104	Computer Programming	5	
ENG 105	English	5	23

Semester II

PHY 107	Physics II	4	
MTH 108	Mathematics II	4	
ECE 109	Electronics II	5	
CSE 110	IT Workshop	3	
PHY 111	Environment and Ecology	3	
PHY112	Physics Lab	2	21

Semester III

MTH213	Mathematics-III	4	
ECE214	Digital Circuits and Systems	4	
ECE216	Semiconductor Devices and Circuits	4	
	Sciences Elective-I	4	
	HSS- Elective- I	4	
	ECE215 ECE – I Lab	2	22
	(Digital Circuits and systems)		

Semester IV

ECE219	Signals, Systems and Control	4	
ECE220	Principles of communication	4	
MTH221	Probability Theory and Stochastic Processes	4	
	HSS Elective-II	4	
	Program Elective-I	4	
	ECE223 ECE – II Lab	2	22
	(Analog Communication and Signal Processing)		

Semester V

ECE325	Digital Communication	4	
ECE326	Digital Signal Processing	4	
	Program Elective-II	4	
	HSS Elective-III	4	
	ECE327 Control System Engineering	4	
	ECE328 ECE – III Lab	2	
	(Digital Communication and Digital Signal Processing)		
	Open Elective- I	4	26

Semester VI

ECE331	Microprocessors and Interfaces	4	
CSE332	Computer Networks	4	
CSE 333	Computer Networks Lab	2	
ECE332	Engineering Electromagnetics	4	
	Open Elective-II	4	
	HSS Elective-IV	4	
	ECE333 ECE – IV Lab	2	24
	(Microwave and Optical Communication)		

Semester VII

Program Elective-III	4	
Program Elective-IV	4	
HSS Elective-V	4	
Sciences Elective-II	4	
Open Elective-III	4	
ECE441 BTP	4	24

Semester VIII

Program Elective-V	4	
Program Elective-VI	4	
Open Elective-IV	4	
Open Elective-V	4	
ECE442 BTP	4	20