

**CSE - B. Tech. (Hons.)**

**Total credit = 180**

**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**

MTH 213	Mathematics III	4	
ECE 214	Digital Circuits and Systems	4	
ECE 215	ECE - lab (Digital Circuits and Systems Lab)	2	
CSE 215	Data Structures	4	
CSE 216	Computer Organization and Architecture	4	
CSE 217	Data Structures Lab	2	
CSE 218	Computer Organization and Architecture Lab	2	22

**Semester IV**

CSE 219	Discrete Mathematical Structures	4	
CSE 220	Database Management Systems	4	
CSE 221	Database Management Systems Lab	2	
CSE 222	Operating Systems	4	
CSE 223	Operating Systems Lab	2	
	HSS Elective I	4	20

**Semester V**

CSE 325	Design and Analysis of Algorithms	4	
	Program Elective I	4	
	Program Elective II	4	
	Open Elective I	4	
	Science Elective I	4	
	HSS Elective II	4	24

**Semester VI**

CSE 331	Theory of Computation	4	
CSE 332	Computer Networks	4	
CSE 333	Computer Networks Lab	2	
	Program Elective III	4	
	Open Elective II	4	
	HSS Elective III	4	22

**Semester VII**

CSE 437	Compiler Design	4	
	Program Elective IV	4	
	Open Elective III	4	
	Open Elective IV	4	
	HSS Elective IV	4	
	B. Tech. Project	4	24

**Semester VIII**

	Program Elective V	4	
	Program Elective VI	4	
	Open Elective V	4	
	Science Elective II	4	
	HSS Elective V	4	
	B. Tech. Project	4	24