

CSE - B. Tech. (Hons.)- M. Tech. Dual Degree

Total credit = 220

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	
	Master's Thesis	4	24

Semester VIII

	Program Elective V	4	
	Graduate Level Program Elective I	4	
	Open Elective V	4	
	Science Elective II	4	
	HSS Elective V	4	
	Master's Thesis	4	24

Semester IX

	Graduate Level Program Elective II	4	
	Graduate Level Program Elective III	4	
	Master's Thesis	12	20

Semester X

	Graduate Level Program Elective IV	4	
	Master's Thesis	16	20