

Electronics and Communication Engineering (Dual Degree) - Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P)			Credits (C)								
				Hours per week			Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons	
				L	T	P									
I-I	Monsoon														
	EC5.101	Network Signals and Systems	Full	3	1	0	-	4	-	-	-	-	-	-	
	MA2.101	Real Analysis	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC2.101	Digital Systems and Microcontrollers (DSM)	Full	3	1	3	-	5	-	-	-	-	-	-	
	CS0.101	Computer Programming	Full	3	1	3	-	5	-	-	-	-	-	-	
	EC2.102	Electronic Workshop-1	Half	0	1	3	-	2	-	-	-	-	-	-	
	OC1.101	Arts-1	Half	0	2	2	2	-	-	-	-	-	-	-	
	OC2.101	Sports-1	Full	0	0	2	1	-	-	-	-	-	-	-	
	OC3.101	Value Education-1	Full	2	1	0	2	-	-	-	-	-	-	-	
		Sub Total		14	8	13	5	16	0	4	0	0	0	0	
Total 25															
I-II	Spring														
	CS1.201	Data Structures and Algorithms	Full	3	1	3	-	5	-	-	-	-	-	-	
	MA2.101	Linear Algebra	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC2.103	Analog Electronic Circuits (AEC)	Full	3	1	3	-	5	-	-	-	-	-	-	
	EC5.102	Introduction to Information Systems	Full	3	1	0	-	4	-	-	-	-	-	-	
	CS2.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	
	CS1.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	
		Sub Total		12	6	10	3	14	0	4	0	0	0	0	
Total 21															
II-I	Monsoon														
	MA4.101	Probability and Random Process	Full	3	1	0	-	-	-	4	-	-	-	-	
	EC5.201	Signal Processing	Full	3	1	3	-	5	-	-	-	-	-	-	
		Systems Thinking (Commn, bio, neuro)	Full	3	1	0	-	4	-	-	-	-	-	-	
	EC6.201	VLSI Design	Full	3	1	0	-	4	-	-	-	-	-	-	
		Science-1	Full	3	1	0	-	-	-	-	4	-	-	-	
	CS2.103	Sports-3	Full	0	0	2	1	-	-	-	-	-	-	-	
		Sub Total		15	5	5	1	13	0	4	4	0	0	0	
Total 22															

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P)			Credits (C)							
				Hours per week			Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons
				L	T	P								
II-II	Spring													
	OC2.104 OC3.102	Communication Theory	Full	3	1	0	-	4	-	-	-	-	-	-
		Stream Foundation-1	Full	3	1	0	-	-	4	-	-	-	-	-
		Electronic Workshop-2	Full	3	1	3	-	4	-	-	-	-	-	-
		Intro to Human Sciences	Full	3	1	0	-	-	-	-	-	4	-	-
		Intro to Process Architecture	Half	3	1	0	-	2	-	-	-	-	-	-
		Sports-4	Full	0	0	2	1	-	-	-	-	-	-	-
		Value Education-2	Full	2	1	0	2	-	-	-	-	-	-	-
		Sub Total		17	6	5	3	10	4	0	0	4	0	0
	Total													
III-I	Monsoon													
		Stream Foundation-2	Full	3	1	0	-	-	4	-	-	-	-	-
		Stream Elective-1	Full	3	1	0	-	-	4	-	-	-	-	-
		Maths Elective	Full	3	1	0	-	-	-	-	-	-	4	-
		Elective-1	Full	3	1	0	-	-	-	-	-	-	4	-
		HSS Elective-1	Full	3	1	0	-	-	-	-	-	4	-	-
		Honours-1	Full	0	2	6	-	-	-	-	-	-	-	2
			Sub Total		15	7	6	0	0	8	0	0	4	8
	Total													
III-II	Spring													
		Elective-2	Full	3	1	0	-	-	-	-	-	4	-	-
		Science-2	Full	3	1	0	-	-	-	-	4	-	-	-
		Stream Elective-2	Full	3	1	0	-	-	4	-	-	-	-	-
		Honours-2	Full	0	2	6	-	-	-	-	-	-	-	2
		HSS Elective-2	Full	3	1	0	-	-	-	4	-	-	-	-
		Stream Elective-3	Full	3	1	0	-	-	4	-	-	-	-	-
			Sub Total		15	7	6	0	0	8	4	4	4	0
	Total													

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P)	Credits (C)							
				Hours per week	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec	Hons

IV-I	Monsoon												
	Stream Elective-4	Full	3	1	0	-	-	4	-	-	-	-	-
	Elective-3	Full	3	1	0	-	-	-	-	-	-	4	-
	Science Elective - 1	Full	3	1	0	-	-	-	-	4	-	-	-
	Honours-3	Full	0	2	6	-	-	-	-	-	-	-	2
	Ethics-1 & 2	H+H	3	1	0	-	-	-	-	-	4	-	-
	Stream Elective-5	Full	3	1	0	-	-	4	-	-	-	-	-
	Sub Total		15	7	6	0	0	8	0	4	4	4	2
Total													22
IV-II	Spring												
	Elective-4	Full	3	1	0	-	-	-	-	-	-	4	-
	Elective-5	Full	3	1	0	-	-	-	-	-	-	4	-
	Science Elective - 2	Full	3	1	0	-	-	-	-	4	-	-	-
	Stream Elective-6	Full	3	1	0	-	-	4	-	-	-	-	-
	HSS Elective-3	Full	3	1	0	-	-	-	-	-	4	-	-
	Honours-4	Full	0	2	6	-	-	-	-	-	-	-	2
	Sub Total		15	7	6	0	0	4	0	4	4	8	2
Total													22
V-I	Monsoon												
	Thesis					-	12	-	-	-	-	-	-
	Institute Seminar - 1					1	-	-	-	-	-	-	-
	Sub Total					1	12	0	0	0	0	0	0
Total													12
V-II	Spring												
	Thesis					-	12			-	-	-	-
	Institute Seminar - 2					1	-	-		-	-	-	-
	Sub Total					1	12	0	0	0	0	0	0
Total													12

Year & Sem	Course Code	Course Name	Full Sem / Half Sem	Lectures(L), Tutorial(T), Practical(P) Hours per week			Credits (C)						
				L	T	P	Ins Core	Prog Core	Prog Elec	Maths	Science	Hum	Open Elec

	Total	%
Institute Core	12	7
Programme Core	53	30
Programme Electives	32	18
Maths	16	9
Science	16	9
Humanities	20	11
Open Electives	20	11
Honours	8	5
Total	177	100