

Bachelor of Electronics & Communication Engineering (ECUG)

Prog	S. No.	Sem	Code	Course	TH/ PT	L	T	P	Credit	Total Credit	CummC redit
ECUG	1	3	CH105	Bio Science	TH	3	0	0	3		
ECUG	2	3	EC107	Semiconductor Devices	TH	3	0	0	3		
ECUG	3	3	EC108	Semiconductor Devices Lab	PT	0	0	3	1		
ECUG	4	3	EC109	Signals & System Analysis	TH	3	1	0	4		
ECUG	5	3	EC110	Passive & Active Network Analysis & Synthesis	TH	3	0	0	3		
ECUG	6	3	PH103	Materials Science & Technology	TH	3	0	0	3		
ECUG	7	3	MA104	Tools of Applied Mathematics	TH	3	0	0	3		
						15	3	6	20	20	65
ECUG	1	4	EC111	Analog Electronics	TH	3	1	0	4		
ECUG	2	4	EC103	Digital Logic and Circuits	TH	3	1	0	4		
ECUG	3	4	EC112	Digital & Analog Electronics Lab	PT	0	0	3	1		
ECUG	4	4	EC105	Electromagnetic Field Theory	TH	3	0	0	3		
ECUG	5	4	CH104	Green Technology (Environmental Science)	TH	3	0	0	3		
ECUG	6	4	MA109	Linear Algebra	TH	3	0	0	3		
ECUG	7	4	GE105	EAA - I NSS					0		
ECUG						15	3	6	18	18	83
ECUG	1	5	EC115	Analog Communication	TH	3	1	0	4		
ECUG	2	5	EE125	Microprocessor & Microcontroller	TH	3	1	0	4		
ECUG	3	5	EC117	Digital Signal Processing	TH	3	1	0	4		
ECUG	4	5	EC116	Analog Communication Lab	PT	0	0	3	1		
ECUG	5	5	EE126	Microprocessor & Microcontroller Lab	PT	0	0	3	1		
ECUG	6	5	EC118	DSP Lab	PT	0	0	3	1		
ECUG	7	5	EC1xx	Departmental Elective - I	TH	3	0	0	3		
ECUG	9	5	xxxxx	Engineering- I (Elective)	TH	3	0	0	3		
ECUG						15	3	12	21	21	104
ECUG	1	6	EC119	Digital Communication	TH	3	1	0	4		
ECUG	2	6	EC121	VLSI Design	TH	3	1	0	4		
ECUG	3	6	EE114	Control Systems	TH	3	1	0	4		

ECUG	4	6	EC120	Digital Communication Lab	PT	0	0	3	1		
ECUG	5	6	EC122	VLSI Design Lab	PT	0	0	3	1		
ECUG	6	6	EC191	Minor Project-I	PT	0	0	3	1		
ECUG	7	6	EC1xx	Departmental Elective - II	TH	3	0	0	3		
ECUG	8	6	xxxxx	Engineering- II (Elective)	TH	3	0	0	3		
ECUG	9	6	GE103	Industrial Interaction & Soft Skill Development	PT				0		
ECUG	10	6	GE106	EAA - II NSS					0		
						15	3	9	21	21	125
ECUG	1	7	EC1xx	Departmental Elective - III	TH	3	0	0	3		
ECUG	2	7	EC1xx	Departmental Elective - IV	TH	3	0	0	3		
ECUG	3	7	EC113	RF & Microwave Engineering	TH	3	1	0	4		
		7	EC114	RF & Microwave Engineering Lab	PT	0	0	3	1		
ECUG	4	7	xxxxx	Engineering -III/ HSS/ Science/ Department (Elective)	TH	3	0	0	3		
ECUG	5	7	xxxxx	Engineering -IV/ HSS/ Science/ Department (Elective)	TH	3	0	0	3		
ECUG	6	7	EC193	Minor Project-II	PT	0	0	6	2		
ECUG	7	7	EC192	Industrial Training (4 to 6 weeks after 6th Sem)	PT				1		
ECUG	8	7	EC194	General Seminar	PT	0	0	6	2		
ECUG	9								22	22	147
	1	8	EC195	Major Project	PT				20		169
ECUG	2	8	EC196	Comprehensive Viva	PT				2		
									22	22	
				List of Electives							
ECUG	1	EL-1	EC141	Antenna & Propagation	TH	3	0	0	3	I	
ECUG	2	EL-1	EC142	Information Theory & Coding Techniques	TH	3	0	0	3	I	
ECUG	3	EL-1	EC143	Fuzzy Logic & Neural Network	TH	3	0	0	3	I	
ECUG	4	EL-1	EE112	Electrical Measurements and Instruments	TH	3	0	0	3	I	
ECUG	5	EL-2	EC144	Optical Fibre Communication	TH	3	0	0	3	II	
ECUG	6	EL-2	EC145	EMI& EMC	TH	3	0	0	3	II	
ECUG	7	EL-2	EC146	Embedded System	TH	3	0	0	3	II	

ECUG	8	EL-2	CS171	Information Security	TH	3	0	0	3	II	
ECUG	9	EL-2	EC147	Adaptive Signal Processing	TH	3	0	0	3	II	
ECUG	10	EL-2	EE169	Advanced Instruments	TH	3	0	0	3	II	
ECUG	11	EL-3/4	EC148	Wireless & Mobile Communication	TH	3	0	0	3	III/IV	
ECUG	12	EL-3/4	EC149	Communication Networks	TH	3	0	0	3	III/IV	
ECUG	13	EL-3/4	EC150	Satellite & Radar Engineering	TH	3	0	0	3	III/IV	
ECUG	14	EL-3/4	EC151	Software Defined & Cognitive Radio	TH	3	0	0	3	III/IV	
ECUG	15	EL-3/4	EC152	Voice & video Processing	TH	3	0	0	3	III/IV	
ECUG	16	EL-3/4	EC153	CMOS & VLSI	TH	3	0	0	3	III/IV	
ECUG	17	EL-3/4	EC154	BROADBAND ACCESS NETWORK	TH	3	0	0	3	III/IV	
ECUG	18	EL-3/4	EC155	MEMS	TH	3	0	0	3	III/IV	
ECUG	19	EL-3/4	EE119	Power Electronics	TH	3	0	0	3	III/IV	
ECUG	20	EL-3/4	EE163	Process Control	TH	3	0	0	3	III/IV	
ECUG	21	EL-3/4	CS151	WIRELESS NETWORK	TH	3	0	0	3	III/IV	