

Semester-wise Pattern for Students Admitted to B.E. Electronics & Communication Programme									
Year	First Semester			U	Second Semester			U	
I	BIO	F110	Biology Laboratory	1	MATH	F112	Mathematics II	3	
	BIO	F111	General Biology	3	ME	F112	Workshop Practice	2	
	CHEM	F110	Chemistry Laboratory	1	CS	F111	Computer Programming	4	
	CHEM	F111	General Chemistry	3	EEE	F111	Electrical Sciences	3	
	MATH	F111	Mathematics I	3	BITS	F112	Technical Report Writing	2	
	PHY	F110	Physics Laboratory	1	MATH	F113	Probability and Statistics	3	
	PHY	F111	Mechanics, Oscillations and Waves	3	BITS	F111	Thermodynamics	3	
	BITS	F110	Engineering Graphics	2					
				17				20	
II	MATH	F211	Mathematics III Humanities Electives	3 3(min)	ECON	F211	Principles of Economics or Principles of Management Humanities Electives	3 3 3(min)	
	ECE	F211	Electrical Machines	4	MGTS	F211	Microprocessors and Interfacing	4	
	ECE	F212	Electromagnetic Theory	3	ECE	F241	Control Systems	3	
	ECE	F215	Digital Design	4	ECE	F243	Signals & Systems	3	
	ECE	F214	Electronic Devices	3	ECE	F244	Microelectronic Circuits	3	
					BITS	F225	Environmental Studies	3	
					20(min)				22(min)
Summer BITS F221 Practice School – I (for PS Option Only)									
III			Open/Humanities Electives	3 to 6			Open/Humanities Electives	3 to 6	
	ECE	F311	Communication Systems	4	ECE	F341	Analog Electronics	4	
	ECE	F314	Electromagnetic Fields & Microwave Engineering	3	ECE	F343	Communication Networks	3	
	ECE	F434	Digital Signal Processing Discipline Electives	4 4(min)	ECE	F344	Information Theory & Coding Discipline Electives	3 5(min)	
					18/21				18/21
IV			Open Electives Discipline Electives	5 to 11 3	BITS	F412	Practice School-II or Thesis or Thesis (9) and Electives (6 to 9)	20 or 16 15 to 18	
				8/14				15/20	

Discipline Core-48 Units (14 Courses)

Discipline Electives-12 Units (4 Courses)

Note: This is operative pattern for the students who are admitted from August 2011 onwards as approved by the Senate-appointed committee, subject to change if the situation warrants.