

Semester-wise Pattern for Students Admitted to B.E. Civil 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	F110	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	3	ECON	F211	Principles of Economics or Humanities Electives	3 or
	CE	F211	Mechanics of Solids	3	MGTS	F211	Principles of Management Humanities Electives	3 (min)
	CE	F212	Transport Phenomena	3	CE	F241	Analysis of Structures	3
	CE	F213	Surveying	4	CE	F242	Construction Planning & Technology	3
	CE	F214	Construction Materials	3	CE	F243	Soil Mechanics	4
					CE	F244	Highway Engineering	4
					19 (min)			17 (min)
Summer BITS F221 Practice School – I (for PS Option Only)								
III	CE	F311	Open/Humanities Electives Design of Concrete Structures	1to4			Open/Humanities Electives	2to5
	CE	F312	Hydraulic Engineering	4	CE	F342	Water & Waste Water Treatment	4
	CE	F313	Foundation Engineering	4	CE	F341	Hydrology & Water Resources Engineering	3
			Discipline Electives	6	CE	F343	Design of Steel Structures	3
							Discipline Electives	6
				18/21				18/21
IV	Open Electives			8to14	BITS	F412	Practice School-II or Thesis or Thesis (9) and Electives (6 to 9)	20 or 16
								15to18
					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.