

Semester-wise Pattern for Students Admitted to B.E. Mechanical 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 Humanities Electives	3 3(min)	ECON	F211	Principles of Economics or Principles of Management Humanities Electives	3 3 3(min)
	ME	F213	Materials Science & Engineering	2	ME	F241	Machine Design & Drawing	4
	ME	F212	Fluid Mechanics	3	ME	F242	IC Engines	2
	ME	F211	Mechanics of Solids	3	ME	F243	Production Techniques I	3
	ME	F214	Applied Thermodynamics	3	ME	F244	Kinematics & Dynamics of Machinery	3
	ME	F215	Mechanical Engineering Laboratory	2				
					19(min)			
Summer BITS F221 Practice School – I (for PS Option Only)								
III	Open/Humanities Electives			1to4	Open/Humanities Electives			3to6
	ME	F311	Heat Transfer	4	ME	F341	Prime Movers & Fluid Machines	3
	ME	F312	Advanced Mechanics of Solids	3	ME	F343	Mechanical Vibrations	3
	ME	F313	Production Techniques II	4	ME	F342	Computer Aided Design	4
	Discipline Electives			6(min)	ME	F344	Engineering Optimization	2
				18/21				18/21
IV	Open Electives Discipline Electives			7to13 3(min)	BITS	F412	Practice School-II or Thesis or Thesis (9) and Electives (6 to 9)	20 or 16 15to18
								15/20
					10/16			

Discipline Core - 48 Units (16 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.