

Semester-wise Pattern for Students Admitted to M.Sc. Biological Sciences 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	3
			Humanities Electives	3(min)	MGTS	F211	Principles of Management or	3
	BIO	F211	Biological Chemistry	3			Humanities Electives	3(min)
	BIO	F213	Cell Biology	3	BIO	F241	Ecology & Environmental Science	3
	BIO	F212	Microbiology	4	BIO	F242	Introduction to Bioinformatics	3
	BIO	F214	Integrated Biology	3	BIO	F243	Genetics	3
					BIO	F244	Instrumental Methods of Analysis	4
			19(min)				19(min)	
Summer				BITS F221 Practice School – I (for PS Option Only)				
III			Open/Humanities Electives	3to6			Open/Humanities Electives	0to3
	BIO	F311	Recombinant DNA Technology	3	BIO	F341	Developmental Biology	3
	BIO	F312	Plant Physiology	3	BIO	F342	Immunology	3
	BIO	F313	Animal Physiology	3	BIO	F215	Biophysics	3
			Discipline Electives	6(min)			Discipline Electives	9(min)
			18/21				18/21	
IV			Open Electives	8to14	BITS	F412	Practice School-II or	20 or
					BITS	F421T	Thesis or Thesis (9) and Electives (6 to 9)	16
							15to18	
				8/14			15/20	

Discipline Core - 44 Units (14 Courses)

Discipline Electives - 15 Units (5 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.