

Semester-wise Pattern for Students Admitted to M.Sc. Chemistry 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)			or	3
	CHEM	F211	Physical Chemistry I	3	MGTS	F211	Principles of Management	3(min)
	CHEM	F212	Organic Chemistry I	3			Humanities Electives	
	CHEM	F213	Physical Chemistry II	3	CHEM	F241	Inorganic Chemistry II	3
	PHY	F212	Electromagnetic Theory I	3	CHEM	F242	Chemical Experimentation I	3
	CHEM	F214	Inorganic Chemistry I	3	CHEM	F243	Organic Chemistry II	3
			21(min)	CHEM	F244	Physical Chemistry III	3	
							18(min)	
Summer BITS F221 Practice School – I (for PS Option Only)								
III			Open/Humanities Electives	2to5			Open/Humanities Electives	2to5
	CHEM	F313	Instrumental Methods of		CHEM	F341	Chemical Experimentation II	4
			Analysis	4	CHEM	F342	Organic Chemistry IV	3
	CHEM	F311	Organic Chemistry III	3	CHEM	F343	Inorganic Chemistry III	3
	CHEM	F312	Physical Chemistry IV	3			Discipline Electives	6(min)
			6(min)					
			18/21				18/21	
IV			Open Electives	7to13	BITS	F412	Practice School-II or	20
					BITS	F421T	Thesis or	16
							Thesis (9) and Electives (6 to 9)	15to18
			7/13				15/20	

Discipline Core - 47 Units (15 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.