


**Program Structure
M.Sc (Chemistry)**

AY: 2018-19

		SEMESTER I (Total 7)			SEMESTER II (Total 5)		
	CourseCode	Course Title	L P U	CourseCode	Course Title	L P U	
YEAR I	CHE511T	INORGANIC CHEMISTRY I	4 0 4	CHE521T	ORGANIC CHEMISTRY II	4 0 4	
	CHE512T	ORGANIC CHEMISTRY I	4 0 4	CHE522T	INORGANIC CHEMISTRY II	4 0 4	
	CHE513T	PHYSICAL CHEMISTRY I	4 0 4	CHE523T	PHYSICAL CHEMISTRY II	4 0 4	
	CHE514T	GENERAL CHEMISTRY	4 0 4	CHE524T	QUANTUM CHEMISTRY AND MOLECULAR SPECTROSCOPY	4 0 4	
	CHE515P	INORGANIC CHEMISTRY PRACTICAL	0 6 4	CHE525P	ORGANIC CHEMISTRY PRACTICAL	0 6 4	
	MA521T	C – PROGRAMMING	3 0 3				
	MA521P	C – PROGRAMMING PRACTICAL	0 3 2				
			Total Units (25)			Total Units (20)	
Summer Term	MSCIP101			SUMMER INTERNSHIP PROGRAM			0 0 5
		SEMESTER III (Total 6)			SEMESTER IV (Total 4)		
	CourseCode	Course Title	L P U	CourseCode	Course Title	L P U	
YEAR II	CHE611T	APPLICATION OF SPECTROSCOPY	4 0 4	CHE621T	CHEMISTRY OF ADVANCED MATERIAL	4 0 4	
	CHE612T	INORGANIC CHEMISTRY III	4 0 4	CHE629	MASTER'S DISSERTATION	0 0 10	
	CHE613T	ORGANIC CHEMISTRY III	4 0 4		ELECTIVE II (CORE)	4 0 4	
	CHE614T	PHYSICAL CHEMISTRY III	4 0 4		ELECTIVE III (OPEN)	4 0 4	
	CHE615P	PHYSICAL CHEMISTRY PRACTICAL	0 6 4				
			ELECTIVE I (CORE)	4 0 4			
		Total Units (24)			Total Units (22)		
					 Registrar, ICFAI University Tripura Kamaighat, Tripura (West)		

LIST OF ELECTIVES

SEMESTER III				SEMESTER IV					
Course Code	Course Name	L	P	U	Course Code	Course Name	L	P	U
CHE651T	ORGANOMETALLIC CHEMISTRY	4	0	4	CHE661T	CHEMISTRY IN MEDICINE (OPEN)	4	0	4
CHE652T	ART IN ORGANIC SYNTHESIS	4	0	4	CHE662T	CHIRAL SYNTHESIS, DRUGS AND DYES	4	0	4
CHE653T	ADVANCED SPECTROSCOPY	4	0	4	CHE663T	COORDINATION CHEMISTRY: STRUCTURE, BONDING, SPECTRA, MAGNETIC PROPERTIES AND REACTION MECHANISM	4	0	4
CHE654T	QUANTUM MECHANICS	4	0	4	CHE664T	STATISTICAL MECHANICS	4	0	4
CHE655T	ANALYTICAL AND COMPUTATIONAL CHEMISTRY	4	0	4					


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