

Program Structure
B.Sc Chemistry (Hons.)
AY: 2018-19

SEMESTER I (Total 7)			SEMESTER II (Total 7)		
CourseCode	Course Title	L P U	CourseCode	Course Title	L P U
CHE111T	INORGANIC CHEMISTRY (ATOMIC STRUCTURE AND CHEMICAL BONDING)	4 0 4	CHE121T	ORGANIC CHEMISTRY II (OXYGEN CONTAINING FUNCTIONAL GROUPS)	4 0 4
CHE112T	PHYSICAL CHEMISTRY I (STATES OF MATTER AND IONIC EQUILIBRIUM)	4 0 4	CHE122T	INORGANIC CHEMISTRY II (s- AND p-BLOCK ELEMENTS)	4 0 4
CHE113T	ORGANIC CHEMISTRY I (BASICS AND HYDROCARBON)	4 0 4	CHE123T	PHYSICAL CHEMISTRY II (CHEMICAL THERMODYNAMICS AND ITS APPLICATIONS)	4 0 4
CHE114P	CHEMISTRY LAB I (INORGANIC, PHYSICAL, ORGANIC)	0 6 4	CHE124P	CHEMISTRY LAB II (INORGANIC, PHYSICAL, ORGANIC)	0 6 4
EGL111	ENGLISH LANGUAGE SKILLS	3 0 3	ENV222	ENVIRONMENTAL STUDIES	4 0 4
PHY115T	GENERAL PHYSICS I	3 0 3	PHY125T	GENERAL PHYSICS II	3 0 3
MAT115T	GENERAL MATHEMATICS	3 0 3	MAT125T	GENERAL MATHEMATICS II	3 0 3
	Total Units (25)			Total Units (26)	
Summer Term	Summer Internship I BSCIP101 0 0 5				
SEMESTER III (Total 7)			SEMESTER IV (Total 7)		
CourseCode	Course Title	L P U	CourseCode	Course Title	L P U
CHE211T	INORGANIC CHEMISTRY III (COORDINATION CHEMISTRY)	4 0 4	CHE221T	INORGANIC CHEMISTRY IV (ORGANOMETALLIC CHEMISTRY)	4 0 4
CHE212T	ORGANIC CHEMISTRY III (HETEROCYCLIC CHEMISTRY)	4 0 4	CHE222T	ORGANIC CHEMISTRY IV (SPECTROSCOPY)	4 0 4



YEAR II	CHE213T	PHYSICAL CHEMISTRY III (PHASE EQUILIBRIA AND ELECTROCHEMICAL CELLS)	4 0 4	CHE223T	PHYSICAL CHEMISTRY IV (CONDUCTANCE AND CHEMICAL KINETICS)	4 0 4
	CHE214P	CHEMISTRY LAB III (INORGANIC, PHYSICAL, ORGANIC)	0 6 4	CHE224P	CHEMISTRY LAB IV (INORGANIC, PHYSICAL, ORGANIC)	0 6 4
	PHY216T	GENERAL PHYSICS III	3 0 3	PHY226T	GENERAL PHYSICS IV	3 0 3
	PHY217P	GENERAL PHYSICS LAB	0 3 2	MAT224T	GENERAL MATHEMATICS IV	3 0 3
	MAT214T	GENERAL MATHEMATICS III	3 0 3	SSU354	SOFT SKILLS	2 0 3
		Total Units (24)			Total Units (25)	
Summer Term	Summer Internship-II			BSCIP201		0 0 5

SEMESTER V (Total 5)		SEMESTER VI (Total 5)			
CourseCode	Course Title	L P U	Course Title	L P U	
CHE311T	ORGANIC CHEMISTRY V (BIOMOLECULES)	4 0 4	CHE321T	APPLICATIONS OF COMPUTER IN CHEMISTRY	4 0 4
CHE312T	PHYSICAL CHEMISTRY V (QUANTUM CHEMISTRY AND SPETROSCOPY)	4 0 4	CHE322T	ANALYTICAL METHODS IN CHEMISTRY	4 0 4
CHE313P	CHEMISTRY LAB V (ORGANIC AND PHYSICAL)	4 0 4	CHE323P	CHEMISTRY LAB VI (ANALYTICAL METHODS IN CHEMISTRY)	0 6 4
	ELECTIVE I (CORE)	4 0 4		ELECTIVE III (CORE)	4 0 4
	ELECTIVE II (OPEN)	4 0 4		ELECTIVE IV (OPEN)	4 0 4
	Total Units (20)		Total Units (20)		



Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).

LIST OF ELECTIVES

SEMESTER V				SEMESTER VI					
Course Code	Course Name	L	P	U	Course Code	Course Name	L	P	U
CHE331T	GREEN CHEMISTRY	4	0	4	CHE341T	POLYMER CHEMISTRY	4	0	4
CHE332T	PHARMACEUTICAL CHEMISTRY	3	3	4	CHE342T	INDUSTRIAL CHEMICALS AND ENVIRONMENT	4	0	4
CHE333T	INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS	4	0	4	CHE343T	CHEMICAL TECHNOLOGY AND SOCIETY	4	0	4
CHE334T	SUPRAMOLECULAR CHEMISTRY	4	0	4	CHE344T	ANALYTICAL CLINICAL BIOCHEMISTRY	4	0	4
					CHE345T	CHEMISTRY OF COSMETICS AND PERFUMES	3	3	4
					CHE346T	PESTICIDE CHEMISTRY	3	3	4


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