

BSc Chemistry Curriculum

Total No. of Credits: 140

Category	Code	Course	Hours per week			Credits
			Lecture	Tutorial	Practical	
SEMESTER I						
LANG	18LTAM11 18LHIN11 18LFRE11	Language – I (Tamil, Hindi & French)	5	0	0	5
ENG	18LENG11	English - I	5	0	0	5
CORE	18CBHC11	Basic Chemistry	4	0	0	4
CORE	18CBHC12	Chemistry of Hydrocarbons	3	0	0	3
CORE	18CBHC13	Mathematics – I	4	0	0	4
CORE	18PBHC11	Inorganic Preparation and Quantitative Analysis Practical	0	0	4	2
			21	0	4	23
SEMESTER II						
LANG	18LTAM21 18LHIN21 18LFRE21	Language – II (Tamil, Hindi & French)	5	0	0	5
ENG	18LENG21	English – II	5	0	0	5
CORE	18CBHC21	Stereochemistry and molecular rearrangement	4	0	0	4
CORE	18CBHC22	Analytical Techniques	3	0	0	3
CORE	18CBHC23	Mathematics – II	4	0	0	4
CORE	18PBHC21	Gravimetric Analysis Practical	0	0	4	2
			21	0	4	23
SEMESTER III						
LANG	18LTAM31 18LHIN31 18LFRE31	Language – III (Tamil, Hindi & French)	5	0	0	5
ENG	18LENG31	English – III	5	0	0	5
CORE	18CBHC31	Electrochemistry and surface chemistry	4	0	0	4

CORE	18CBHC32	Fundamentals of Physics – I	4	0	0	4
CORE	18PBHC31	Physical Chemistry Practical	0	0	4	2
CORE	18PBHC32	Physics Practical	0	0	4	2
SEC		Skill Enhancement Course - I	2	0	0	2
			20	0	8	24

Category	Code No.	Course	Hours per week			Credits
			Lecture	Tutorial	Practical	
SEMESTER IV						
LANG	18LTAM41	Language – IV (Tamil, Hindi & French)	5	0	0	5
ENG	18LENG41	English – IV	5	0	0	5
CORE	18CBHC41	Coordination chemistry	4	0	0	4
CORE	18CBHC42	Fundamentals of Physics - II	4	0	0	4
CORE	18PBHC41	Organic Qualitative Analysis Practical	0	0	4	2
AECC		Environmental Studies	2	0	0	2
SEC		Skill Enhancement Course - II	2	0	0	2
			22	0	4	24
SEMESTER V						
CORE	18CBHC51	Quantum mechanics and thermodynamics	4	0	0	4
DSE		Discipline Specific Elective - I	4	0	0	4
DSE		Discipline Specific Elective - II	4	0	0	4
DSE		Discipline Specific Elective - III	4	0	0	4
DSE		Discipline Specific Elective Practical	0	0	4	2
GE		Generic Elective – I	3	0	0	3
SEC		Skill Enhancement Course - III	2	0	0	2
			21	0	4	23
SEMESTER VI						
CORE	18CBHC61	Fundamentals of spectroscopy	4	0	0	4
DSE		Discipline Specific Elective - IV	4	0	0	4

DSE		Discipline Specific Elective - V	4	0	0	4
GE		Generic Elective – II	3	0	0	3
SEC/VAC		Skill Enhancement Course - IV	2	0	0	2
DE	18RBHC61	Project Work	0	0	12	6
			17	0	12	23
			122	0	36	140