

Details of course under B.Sc.(Prog) Chemistry			Credits			
			Theory	Practical	Tutorial	Total
SEMESTER-I						
Core Course	Chemistry C-I	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	4	2		6
	Physics C-II	Mechanics	4	2		6
	Maths C-III	Calculus and Matrices	5		1	6
AECC	AECC-1	Environmental Science				2
SEMESTER-II						
Core Course	Chemistry C-IV	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	4	2		6
	Physics C-V	Electricity, Magnetism & EMT	4	2		6
	Maths C-VI	Calculus and Geometry	5		1	6
AECC	AECC-2	English-A/Hindi Bhasha Aur Sanspreshan/MIL				2
SEMESTER-III						
Core Course	Chemistry C-VII	Conductance, Electrochemistry & Functional Group Organic	4	2		6
	Physics C-VIII	Thermodynamics and Statistical Mechanics	4	2		6
	Maths C-IX	Algebra	5		1	6
SEC	SEC-1	Chemistry of Cosmetics & Perfumes				2
SEMESTER-IV						
Core Course	Chemistry C-X	Chemistry of s- and p- block elements, States of matter & Chemical Kinetics	4	2		6
	Physics C-XI	Wave and Optics	4	2		6
	Maths C-XII	Real Analysis	5		1	6
SEC	SEC-2	Basic Analytical Chemistry				2
SEMESTER-V						
DSE	Chemistry DSE-1A	Chemistry of d-block elements, Quantum Chemistry & Spectroscopy	4	2		6
	Physics DSE-2A	Elements of Modern Physics	4	2		6

	Maths DSE-3A	Differential Equations	5		1	6
SEC	SEC-3	Pharmaceutical Chemistry				2
SEMESTER-VI						
DSE	Chemistry DSE-1B	Organometallics, Bio-Inorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy/Application of Computers in Chemistry/Molecules of Life	4	2		6
	Physics DSE-2B	Solid State Physics	4	2		6
	Maths DSE-3B	Numerical Analysis	5		1	6
SEC	SEC-4	Pesticide Chemistry/Green Methods in Chemistry				2
Total						120

NOTE: The College reserves the right to change the number of options offered and titles of specific papers in any semester, within the framework of the University of Delhi CBCS Syllabus.