

Details of course under B.Sc.(Prog) Industrial Chemistry			Credits			
			Theory	Practical	Tutorial	Total
<b>SEMESTER-I</b>						
<b>Core Course</b>	C-I	DSC 1A: Industrial Chemicals and Environment	4	2		6
	C-II	DSC 2A: Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	4	2		6
	C-III	DSC 3A Mathophysics Mechanics	4	2		6
<b>AECC</b>	AECC-1	Environmental Science				2
<b>SEMESTER-II</b>						
<b>Core Course</b>	C-IV	Industrial Chemistry-Fossil Fuels, Cleansing Agents and Food Additives	4	2		6
	C-V	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	4	2		6
	C-VI	DSC 3B: Calculus and Matrices	5		1	6
<b>AECC</b>	AECC-2	English/MIL Communication				2
<b>SEMESTER-III</b>						
<b>Core Course</b>	C-VII	Industrial Chemistry- Inorganic Materials	4	2		6
	C-VIII	Solutions, Phase Equilibria, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	4	2		6
	C-IX	Algebra	5		1	6
<b>SEC</b>	SEC-1	Basic Analytical Chemistry				2
<b>SEMESTER-IV</b>						
<b>Core Course</b>	C-X	Industrial Chemistry-4 Pharmaceuticals, Fermentation, Pesticides & Perfumes				6
	C-XI	Chemistry of s- and p-block elements, States of matter & Chemical kinetics	4	2		6
	C-XII	Waves and Optics	4	2		6
<b>SEC</b>	SEC-2	Instrumental Methods of Analysis/Basic Analytical Chemistry				2
<b>SEMESTER-V</b>						
<b>DSE</b>	DSE-1A	Polymer Chemistry	4	2		6
	DSE-2A	Chemistry of d-block elements,	4	2		6

		Quantum Chemistry & Spectroscopy				
	DSE-3A	Elements of Modern Physics	4	2		6
<b>SEC</b>	SEC-3	Green Methods in Chemistry				2
<b>SEMESTER-VI</b>						
<b>DSE</b>	DSE-1B	Organometallics, Bio-Inorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy				6
	DSE-2B	Inorganic Material of Industrial Importance/Green Chemistry	4	2		6
	DSE-3B	Differential Equation	5		1	6
<b>SEC</b>	SEC-4	IT skills of Chemists/Pesticide Chemistry				2
<b>Total</b>						<b>120</b>

**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.