



SWAMI SHRADDHANAND COLLEGE

(University of Delhi)

DEPARTMENT OF CHEMISTRY

List of courses offered (DSC and DSE/Generic/SEC/VAC) (Semester I, II, III & IV)

NEP				
Course	Semester	Paper	Course	UPC
B.Sc. (H) Chemistry	I	DSC	Atomic structure & chemical bonding (Inorganic chemistry-I)	2172011101
	I	DSC	Basic concepts of organic chemistry	2172011102
	I	DSC	Gaseous and liquid state (Physical chemistry-I)	2172011103
B.Sc. (Prog.) Life Science	I	DSC	Basic concepts of organic chemistry	2172511101
B.Sc. (Prog.) Physical Science				
B.Sc.(P) Applied Life Science	I	DSC	Inorganic chemistry	2172581101
Generic	I	GE	Basic Concepts of Organic Chemistry (GE 4)	2174001002
SEC	I	SEC	Yoga in Practice	2136000001
			Basic Analytical Technique	
			Chemistry of Cosmetics and Hygiene Products	
VAC	I	VAC	Science and Society	6967000015
		VAC	Fit India	6967000009
AEC	I	AEC	Environmental Science: Theory into practice-I	2181001001
B.Sc. (H) Chemistry	II	DSC 4	Chemistry of s- and p-block elements	
		DSC 5	Haloalkanes, Arenes, Haloarenes, Alcohols, Phenols, Ethers and Epoxides	
		DSC 6	Thermodynamics and its Applications	



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B.Sc. (Prog.) Life Science	II	DSC 2	Chemical bonding and elements in biological system	
B.Sc. (Prog.) Physical Science	II	DSC 4	Periodic properties and chemical bonding	
B.Sc. (Prog.) Applied Life Science	II	DSC2	Soil fertility, Fertilizers and micronutrients	
SEC	II	SEC 4	Food Flavors and Colourants	
		SEC	Yoga in practice	2136000001
Generic	II	GE 17	Energy and environment	
		GE 6	Molecules of life	
VAC	II	VAC	Science and society	6967000015
		VAC	Fit India	6967000009
B.Sc. (H) Chemistry	III	DSC	Chemistry of D- and F- block elements & quantitative	2172012301
	III	DSC	Carbonyls, carboxylic acids, amines, nitro compounds	2172012302
	III	DSC	Chemical equilibrium, ionic equilibrium, conductance	2172012303
B.Sc. (Prog.) Life Science	III	DSC	Chemical energetics and equilibria	2172512302
B.Sc. (Prog.) Physical Science				
B.Sc.(P) Applied Life Science	III	DSC	Organic chemistry	2172582301
B.Sc. (H) Chemistry	III	DSE	Solution Colligative Properties Phase Equilibria and Adsorption	2172512302
B.Sc. (Prog.) Life Science	III	DSE	Polynuclear hydrocarbons, Pharmaceutical compounds, UV-Visible and IR spectroscopy	2173522002
B.Sc. (Prog.) Physical Science				
B.Sc. (Prog.) Applied Life Science	III	DSE	Introduction to Heterocyclic Chemistry	



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GE	III	GE	Conductance and Electrochemistry	
SEC	III	SEC	Green Methods in Chemistry	
VAC	III	VAC	Sports for Life-I	
		VAC	Yoga philosophy and Practice	6967000021
B.Sc. (H) Chemistry	IV	DSC 10	Coordination chemistry and reaction mechanism	
		DSC 11	Carbohydrates, lipids and heterocyclic compounds	
		DSC 12	Electrochemical cells	
B.Sc. (Prog.) Life Science	IV	DSC 10	Chemistry-IV: Chemistry of Carboxylic acids & derivatives, Amines and Heterocycles	
		DSE 10	Quantum Chemistry and Spectroscopy	
		DSE 12	Biophysical Chemistry	
B.Sc. (Prog.) Physical Science	IV	DSC 10	Chemistry-IV: Chemistry of Carboxylic acids & derivatives, Amines and Heterocycles	
		DSE 4	Nano-scale Materials and their applications	
		DSE 6	Conductance, Electrochemistry and Chemical Kinetics	
B.Sc. (Prog.) Applied Life Science	IV	DSC 4	Fundamentals of Agrochemicals	
		DSE 2	Organic Chemistry in Pesticide Synthesis	
SEC	IV	SEC 6	Green Methods in Chemistry	
		SEC	Yoga in practice	2136000001
Generic	IV	GE 20	Green Chemistry	



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		GE 8	Chemical kinetics and photochemistry	
VAC	IV	VAC	Science and society	6967000015
			Fit India	6967000009

**As per the notifications from the University of Delhi, so option may change*