Sr. No.	Course	Course Code	Level	Syllabi	Weightage	No. of classes/week	Course specific outcome	Program specific outcome
1	B.Sc. I INORGANIC CHEMISTRY	B-106	UG	View Document	50	2	Atomic structure chemical bonding periodic properties, S and P block elements noble gases.	On getting degree in B.Sc. with chemistry as main subject the student have knowledge of theory as well as practical. They get skilled in practical and analyse radicals volumetric and gravimetric analysis. The students can works as chemist in sugar industries and pharmaceutical industries.
2	B.Sc. I ORGANIC CHEMISTRY	B-107	UG		50	2	On completion of course the student learn about Structure and Bonding, Mechanism of Organic Reactions Alkanes and Cycloalkanes, Stereo chemistry of organic compound ,alkenes cycloalkenes,dienes,alkynes,arenes and aromaticity,alkyl and aryl halides	
3	B.Sc. I PHYSICAL CHEMISTRY	B-108	UG		50	2	On completion of course the student have knowledge of mathematical concepts, computers gaseous states ,liquid states, solid states colloidal states chemical kinetics and catalysis	
4	B.Sc. I PRACTICAL CHEMISTRY	P-406	UG		50	6	While Performing practical student have knowledge of radical analysis, How to analyse organic compound and find out percentage composition of given unknown solution by viscometer and stalgmometer	
5	B.Sc. II INORGANIC CHEMISTRY	B-206	UG		50	2	On completion of course the student have knowledge of Chemistry Of Elements of First Transition Series, Chemistry of Elements of Second and Third Transition Series, Coordination Compounds, Chemistry of Actinides, Oxidation and Reduction, Acids and Bases, Non-aqueous Solvents	

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6	B.Sc. II ORGANIC CHEMISTRY	B-207	UG		50	2	On completion of course the student have knowledge of Electromagnetic Spectrum : Absorption Spectra, Alcohols, Phenols, Ethers and Epoxides, Aldehydes and Ketones, Carboxylic Acids, Carboxylic Acid Derivatives, Organic Compounds of Nitrogen	

7	B.Sc. II PHYCIAL CHEMISTERY	B-208	UG		50	2	On completion of course the student have knowledge of Thermodynamics – I, Thermodynamics –II, Chemical Equilibrium, Phase Equilibrium, Electrochemistry-I, Electrochemistry-III	
8	B.Sc. II PRACTIAL	P-506	UG		50	2	On the completion of course the student have knowledge of the student are skilled to do volumetric analysis of ferrous ammounium sulphate and find out CST of phenol water system	
9	B.Sc.-III INORGANIC CHEMISTERY	B-306	UG		50	2	On the completion of course the student have knowledge of Hard and Soft Acid and Bases{HSAB},Metal-ligand Bonding in Transition Metal Complexes, Magnetic Properties of Transition Metal Complexes, Thermodynamic and Kinetic Aspects of Metal Complexes, Organometallic Chemistry, Silicones and Phosphazenes	
10	B.Sc.-III ORGANIC CHEMISTRY	B-307	UG		50	2	After the coursework has completed The student gain knowledge of Spectroscopy, Organometallic Compounds, Organosulphur Compounds, Heterocyclic Compounds, Organic Synthesis via Enolates, Carbohydrates, Amino Acids, Peptides, Proteins and Nucleic acids, Fats, Oils and Detergents, Synthetic Polymers, Synthetic Dyes	
11	B.Sc –III PHYSICAL CHEMISTRY	B-308	UG		50	2	After finishing this paper student have knowledge of Elementary Quantum Mechanics, Spectroscopy, Photochemistry, Physical Properties and Molecular Structure, Solution,Dilute Solution and Colligative Properties	
12	B.Sc.-III PRACTIAL	P-607	UG		50	2	After finishing this paper student have knowledge of separation and how to analyse the given organic	

							mixture and find out their melting and boiling point, refrectrometry	

Sr. No.	Course	Course Code	Level	Syllabi	Weightage	No. of classes/week	Course specific outcome	Program specific outcome
1	Inorganic Chemistry	H-1007	PG	View Document	100	06	Syllabus is same throughout the state university has adopted semester system which provides ample opportunity to develop and propagate self-evaluating system	Aim is to develop multi – dimensional skills among students the outcome will be in the far of future scientists.
2	Organic Chemistry	H-1008	PG		100	06		
3	Physical Chemistry	H-1009	PG		100	06		
4	Computative Chemistry	H-1010	PG		100	06		
5	Biology for Chemists	H-1011	PG		100	06		
6	Mathematics for Chemists	H-1012	PG		100	06		
7	Practical	H-507	PG		100	24		
8	Inorganic Chemistry	H-2007	PG		100	06		
9	Organic Chemistry	H-2008	PG		100	06		
10	Physical Chemistry	H-2009	PG		100	06		
11	Group Theory and Spectroscopy	H-2010	PG		100	06		
12	Practical- Inorganic, Organic, Physical	H-607	PG		100	24		

13	Bio – Organic Chemistry	H-3007	PG		100	06		
14	Photochemistry	H-3008	PG		100	06		
15	Spectroscopy	H-3009	PG		100	06		
16	Analytical Chemistry	H-3010	PG		100	06		
17	Practical-Biochemistry Analytical	H-707	PG		100	24		
18	Environmental Chemistry	H-4007			100	06		
19	Organic synthesis	H-4013			100	06		
20	Polymers	H-4015			100	06		
21	Natural Products	H-4016			100	06		
22	Practical	H-808			100	24		
23								
24								