

PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

Program Outcome	Students will demonstrate an understanding of major concepts in all disciplines of chemistry. Students will employ critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society, and other cultures outside the scientific community
Program Specific Outcome	Get exposures of experimental techniques by using modern instruments. Understand the importance of the periodic table of the elements. Learn the laboratory skills needed to design, safely interpret chemical research. Achieve the skills required to succeed in graduate school, the chemical industry and professional school
Course: BSC CHEMISTRY	Outcomes
Chromatography, chemical bonding, solid states, nature of bonding in organic molecules	Identification and isolation of components can be done
Gaseous and liquid state, s-and p-block elements, industrial chemistry, reagents and their synthetic utility	Acquiring the knowledge of synthesis of industrially important compounds through synthesis and enrich the utility of reagents available
Thermodynamics, d-and f-block elements, binary mixtures structure and reactivity of carbonyl compounds	To acquaint knowledge on Aromaticity, thermodynamics and coordination chemistry
Coordination compounds, phase equilibrium colligative properties, reactive methylene compounds	Exploring the addition and substitution of compounds which are not available naturally and synthesis them.
Transition metal complexes, quantum mechanics, stereochemistry of organic molecules, heterocyclic compounds	Through optical activity one can explain active and inactive substances and rotation of the substances
Inorganic polymers, carbohydrates, proteins spectroscopy, drugs and pesticides	To synthesis drugs and polymers which are of daily important pesticides making use in agriculture to control pest and improve the rate of yield.