

Programme Outcome

B.Sc Chemistry

Programme of Chemistry	Outcome
	<p>PO1. Critical Thinking: Students are skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.</p> <p>PO2. Problem Solving Skills: Students are able to solve problems competently by identifying the essential parts of a problem and formulating a strategy for solving the problem. They are able to rationally estimate the solution to a problem, apply appropriate techniques to arrive at a solution, test the correctness of the solution, and interpret their results.</p> <p>PO3. Communication Skills: Students are able to communicate effectively their views and ideas clearly in person and through modern media in English and in their mother tongue.</p> <p>PO4. Modern Tool Usage: Graduates will be able to use computers in data acquisition and processing and use available software as a tool in data analysis.</p> <p>PO5. Social Responsibility: Students are trained to be an individual with concern for the society they live and to contribute at maximum, their skills and knowledge in the broadest context, for the development of the nation.</p> <p>PO6. Ethics: Stay firm on the value systems of their culture, including their own for a healthy sociocultural environment.</p> <p>PO7. Environment and Sustainability: Students are able to appreciate the central role of chemistry in our society and use this as a basis for ethical behavior in issues facing chemists including an understanding of safe handling of chemicals, environmental issues and key issues facing our society in energy, health and medicine.</p> <p>PO8. Self-directed and Life-long Learning: Acquire the ability to engage in independent and self learning as well as to successfully</p>

	<p>pursue their career objectives in advanced education and in professional courses, in a scientific career in government or industry, in a teaching career in the school systems, or in a related career following graduation.</p>
<p>Programme Specific Outcome</p>	<p>PSO1: Students have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.</p> <p>PSO2: Acquired the knowledge of terms, facts, concepts, processes techniques and principles of the subject.</p> <p>PSO3: Developed the ability to apply the principles of Chemistry.</p> <p>PSO4: Are inquisitive towards advanced chemistry and developments therein.</p> <p>PSO5: Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.</p> <p>PSO6: Developed problem solving skills.</p> <p>PSO7: Familiarized with the emerging areas of Chemistry and their applications in various spheres of Chemical sciences and to apprise the students of its relevance in future studies.</p> <p>PSO8: Developed skills in the proper handling of apparatus and chemicals.</p> <p>PSO9: Are exposed to the different processes used in industries and their applications.</p>