

B.Sc. CHEMISTRY

Program Outcomes

The students of B.Sc Chemistry at the time of graduation will have

PO1- Creative and Innovative Thinking- The students have been inculcated the ability to come up with new ideas and novel approaches to the problems in chemistry.

PO2-Scientific Temperament – Enhances scientific temper in students by employing rational and logical method of thinking.

PO3-Critical and Logical Reasoning- The students are equipped to think critically by asking questions on the fundamental concepts in chemistry thereby make them able to conceptualize, analyze, question and evaluate concepts in chemistry.

PO4-Research Aptitude – Equip students to inquire, search and investigate several problems in chemistry by means of scientific methods through project work.

PO5-Effective and Efficient Communication- Enabling students to interact positively and efficiently in English language and inculcating a culture of science discussion among the peers and society.

PO6-ICT (Information and Communication) literacy - To impart skills required to gather information from e- resources and use them. Students are equipped to use Microsoft word, PowerPoint and various softwares.

PO7-Competency- To give need based education in chemistry of the highest quality at the undergraduate level to make them competitive.

PO8-Accountability and Decision Making skills- Offer courses to the choice of the students. This will make the students to take decisions by considering the pros and cons of the decisions they make.

PO9-Practical Skills- Perform experiments and interprets the results of observation. It will help the students to be efficiently participate in academic as well as industrial organizations.

PO10-Environment and Sustainability- To give the importance of green chemistry and educating them to utilize resources in a green method by limiting the use of organic solvents, hazardous chemicals etc.

PO11-Social Responsibility- Make the students socially responsible by giving awareness regarding the role of chemistry in social development. Making them actively participate in discussions about the destructive possibilities of science.

Program Specific Outcomes

The **B.Sc. Chemistry Program** is successful in imparting the students with the following qualities:

PSO1-Get firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.

PSO2-Enables student to understand and interpret basic and advanced concepts in chemistry.

PSO3-Learn to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.

PSO4- Are exposed to the different processes used in industries and their applications.

PSO5- Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.

PSO6- Develop skills in the proper handling of apparatus and chemicals.

PSO7- Provide an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.

PSO8- Provide Information Communication Technology to gather knowledge at will.