

# **Program Outcomes of Chemistry**

## **Hons Level teaching**

PO-1. The students pursuing this course would have to develop in depth understanding of various aspects chemistry.

PO-2. Demonstrate an understanding of the fundamental principles, including scientific reasoning to solve problems, of organic chemistry, inorganic chemistry, analytical chemistry and physical chemistry,

PO-3. To create foundation for research and development in Chemistry and to familiarize with current and recent developments in Chemistry.

PO-4. To develop analytical abilities for independent thinking.

PO-5. To help student's build-up a progressive and successful career in Chemistry.

PO-6. Students will demonstrate research skills in chemistry, including proper laboratory notebook and record keeping skills, recognizing hazards, minimizing risks, and safe laboratory practices.

PO-7. To enrich knowledge through programmes such as industrial visits, projects etc and to train students in skills related to Chemistry for academic and industrial requirement.

## **General Level teaching**

PO-1. Gain the knowledge of Chemistry through theory and practical experiments.

PO-2. To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.

PO-3. Identify chemical formulae and solve numerical problems.

PO-4. To understand the basic principles of Organic, Inorganic, Physical and Analytical Chemistry and its applications through various laboratory experiments.

PO-5. Use modern chemical tools, Models, Chem-draw, Charts and Equipments.

PO-6. Understand good laboratory practices and safety.

PO-7. Develop research oriented skills.

PO-8. Aware and handle the sophisticated instruments/equipments.