

Course name : B. Sc.
Mode of study : Full time
Duration : 3 years

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of Chemistry – UG

B.Sc. Chemistry

Programme Outcomes

The programme will enable the students

- to have a thorough understanding and knowledge of different branches of chemistry.
- to develop the ability to think analytically and to solve problems.
- to enhance practical skills and interpret knowledge entirely in working environment.

Programme Specific Outcomes

- The programme provides solid understanding of all the fundamental concepts in Inorganic, Organic, Physical, Polymer, Nano and Applied Chemistry that is necessary for the study of more advanced specialized Chemistry.

Course Outcomes

The courses will help the students to

- learn Photo Chemistry, Nuclear Chemistry, Thermodynamics and Solid State.
- understand the chemistry of ionic compounds, coordination compounds and role of metal ions in biological systems.

- learn about aromatic compounds, natural products, reaction mechanisms and spectroscopy.
- know about chemicals for the treatment of common diseases.
- acquire knowledge about polymerisation process, techniques and recent advances in polymer sciences.
- know about the importance of different types of analytical techniques.
- study the importance of fast growing technology of nanotubes, nanocomposites and fibres and their applications.
- gain knowledge about characterization and testing of soils, fertilizers and pesticides.
- create awareness on eco-friendly microscale experiments in practical courses.
- pursue higher courses, get job opportunities and to face competitive examinations.