

## **B.Sc (H) Chemistry**

After completing this programme as per CBCS, a student will have conceptual understanding of the basics of chemistry covering various principles and aspects. This course will also provide a brief introduction to recent frontiers and tools required in research in chemistry. This course will not only help in developing interdisciplinary knowledge but will also inculcate critical thinking ability in students.

### **Program Outcomes**

- Developing a holistic approach in understanding basic principles and fundamentals of pure and applied branch of chemistry
- Forming an integrated perspective which is inclusive of Inorganic, Organic and Physical Chemistry.
- Exploring complex theories in a miniature form through laboratory experience.
- Orienting analytical insights to relate chemistry to wider spectrum of scientific disciplines.

### **Program Specific Outcomes**

- Abilities to conduct experiments in researchable areas and applied fields.
- Solid theoretical grounding in Chemistry.
- Providing exposure to wider application of chemistry in Agriculture, Industry, Services and Environmental fields.
- Developing inter and intra disciplinary knowledge within the various branches of chemistry and the ways chemistry is related to other scientific disciplines.
- Bridging the connection between theory and application through elaborate design of laboratory experiments.
- Providing training to conduct practical's in Laboratory environment.
- Developing computational skill through programming and simulation of data derived from experiments in chemistry.