

Department: Chemistry

I. Programme: BSc Chemistry

Programme Specific Objective

1. The students are expected to understand the basic concepts in chemistry and be aware of the recent development in the subject area.
2. To inculcate critical thinking and scientific attitude in the students.
3. The students should be able to apply the theoretical knowledge and practical skills acquired to solve the real world problems and environmental issues.

Programme Specific Outcome:

1. **Core competency:** The chemistry graduates are expected to gain the theoretical and practical knowledge of the basic concepts in chemistry.
2. **Skill development:** They would acquire necessary skills and training to pursue higher studies in the field of chemistry and to be an entrepreneur.
3. **Responsible citizens:** The students will get trained to adopt and practice sustainable techniques for their personal growth and to address the societal and environmental problems.

II. Programme: MSc – Analytical Chemistry

Programme Specific Objective

1. To provide students with theoretical and applied knowledge in the inter disciplinary branches of chemistry with emphasis on qualitative and quantitative analysis.
2. To expose the students to the advanced instrumental analysis through hands- on training, internships and research to make them job ready.
3. To train students to address the environmental and societal issues and face the real life challenges more effectively.

Programme Specific Outcome

1. **Critical thinking:** A student with a Master's degree in Analytical chemistry will have an in- depth theoretical and practical knowledge of the subject which will foster their critical thinking.
 2. **Skills in research and industrial field:** Students will build a scientific temper through research, develop entrepreneurial skill and will get an exposure to work in an industrial set up.
 3. **Personality Development:** The students will be able to handle personal, social, environmental issues and will be responsible citizens.
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