

Program Outcomes

Department of Chemistry

Program outcomes (PO's)

1. **Critical Thinking:** Acquire knowledge of theoretical and practical aspects; enhance innovative ideas in science and technology, develop and investigate throughout their learning from different perspectives.
2. **Effective Communication:** Able to understand, converse, and direct the scientific knowledge gained.
3. **Social Interaction:** Able to analyze the different aspects and interpret the data by following the scientific methods and hence solve the different problems in the society at large.
4. **Effective Citizenship:** Helps in understanding different areas of science such as Chemistry, Botany, Physics and Mathematics as this course forms the basis of science and develops the method of understanding and selflessness.
5. **Ethics:** As a result of gaining scientific knowledge they recognize different value systems and moral dimensions of the decisions taken and accept the responsibilities.
6. **Environment and Sustainability:** Understand the issues of environmental perspective and discover ways for sustainable development.
7. **Self directed and Life-long Learning:** In the process, students acquire skills, design, apply and utilize the technology in day to day life.

Program Specific Outcomes (PSO's)

1. Students will be able to acquire core knowledge in the key areas of Chemistry, develop written & oral communication skills in communicating chemistry-related topics.
2. Design & conduct experiments, demonstrate their understanding of the scientific methods & processes.
3. Develop proficiency in acquiring data using a variety of instruments, analyse & interpret the data, learn applications of numerical techniques.
4. Realize & develop an understanding of the impact of Chemistry on society.

Program Outcomes

Department of Mathematics

Program outcomes (PO's)

1. **Critical Thinking:** Acquire knowledge of theoretical and practical aspects; enhance innovative ideas in science and technology, develop and investigate throughout their learning from different perspectives.
2. **Effective Communication:** Able to understand, converse, and direct the scientific knowledge gained.
3. **Social Interaction:** Able to analyze the different aspects and interpret the data by following the scientific methods and hence solve the different problems in the society at large.
4. **Effective Citizenship:** Helps in understanding different areas of science such as Chemistry, Botany, Physics and Mathematics as this course forms the basis of science and develops the method of understanding and selflessness.
5. **Ethics:** as a result of gaining scientific knowledge they recognize different value systems and moral dimensions of the decisions taken and accept the responsibilities.
6. **Environment and Sustainability:** Understand the issues of environmental perspective and discover ways for sustainable development.
7. **Self directed and Life-long Learning:** In the process, students acquire skills, design, apply and utilize the technology in day to day life.

Program Specific Outcomes (PSO's)

1. Acquire knowledge of basic Mathematical concepts.
2. Understand and develop Mathematical arguments in a logical manner.
3. Acquire problem solving, reasoning and critical thinking skills.
4. Apply knowledge of Mathematics in solving real life problems.