

**DEPARTMENT OF CHEMISTRY**  
**UNIVERSITY OF KASHMIR**

**Course: M.Sc. Chemistry**

**Programme Educational Outcomes (PEO)**

- PEO1:** To acquire in-depth knowledge of chemistry, which provide a strong foundation to pursue continuing education and nurture the talent for innovation and research.
- PEO2:** To build the ability for performing effectively in the contemporary interdisciplinary environment for the holistic development and to excel in careers by being a part of national and international research labs and educational institutions with whom they will be associated.
- PEO3:** To equip the graduates with logical and analytical thinking potentials for unraveling the hidden mysteries of complex problems under the chemistry based approach.
- PEO4:** To inculcate the ability for understanding the underlying chemistry connections in day-to-day needs viz health, food, materials etc. for the upbringing of a society with scientific temper.

**Programme Specific Outcomes (PO)**

After having completed the course the student would:

1. have acquired an insightful understanding of chemistry principles.
2. have necessary skill to perceive and predict the chemistry based solution to regional and global challenges.
3. confidence in conducting an experiment, interpretation of experimental results with accurate conclusions and modelling of static and dynamic chemical systems.
4. have advance technical skills to work effectively for the allied positions like food inspectors, environment monitoring scientists, soil scientists, biochemical laboratory professionals and forensic scientists.
5. have developed communication ability (oral and draft) for disseminating acquired scientific knowledge to specific and non-specific audience.
6. be a quality human resource for working at different academic positions and research institutes of excellence.