



INTEGRAL UNIVERSITY, LUCKNOW
DEPARTMENT OF CHEMISTRY
B.Sc. (Physics, Chemistry, Mathematics)

Program Educational Objectives (PEOs)	<ol style="list-style-type: none">1. To provide, value based and ethical leadership in the professional and social life.2. To provide the professional consultancy and research support for the relevant organization in the domain of super specialization.3. To provide skills of observations and drawing logical inferences from the scientific experiments.4. To gain knowledge of chemistry, physics and mathematics through theory and practicals.
Program Specific Outcomes (PSOs)	<ol style="list-style-type: none">1. Students will be able to explain fundamental knowledge of chemistry, physics and mathematics.2. To opt for higher education, disciplinary & multi-disciplinary research and to be a life-long learner.3. Students will be able to identify chemical formulae and solve numerical problems.4. To provide the professional services to industry, research organization and institutes.5. Students will be able to understand good laboratory practices and safety.
Program Outcomes (POs)	<ol style="list-style-type: none">1. Critical Thinking- Students will demonstrate an understanding of major concepts in all disciplines of physics, chemistry and mathematics. Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.2. Effective Communication- Development of various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.3. Social Interaction- Development of scientific outlook not only with respect to science subjects but also in all aspects related to life4. Effective Citizenship- Imbided moral and social values in personal and social life leading to highly cultured and civilized personality.5. Ethics- Follow the ethical principles and responsibilities to serve the society.6. Environment and Sustainability- Understand the issues of environmental contexts and sustainable development.7. Self-directed and Lifelong learning- Students will be capable of self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development.