

DEPARTMENT OF MATHEMATICS
INTEGRAL UNIVERSITY, LUCKNOW

B. Sc. (Physics, Mathematics, Computer Science)

B. Sc. (Physics, Mathematics, Statistics)

Program Educational Objectives (PEOs)

1. To provide value based and ethical leadership in the professional and social life.
2. To gain knowledge of Mathematics, Physics, Computer Science and Statistics through theory and practical.
3. Be trained in basic knowledge, scientific temper, research potential and advanced techniques.
4. Be able to formulate, investigate and analyze scientifically real life problems along with ethical attitude.
5. Have leadership quality to handle all kind of circumstances in diversities by providing interdisciplinary and multidisciplinary learning environment.

Program Specific Outcomes (PSOs)

1. Students will be able to explain fundamental knowledge of Mathematics, Physics, Computer Science and Statistics.
2. To opt for higher education, disciplinary & multi-disciplinary research and to be a life-long learner.
3. Be able to apply the concepts of practical applications and learning of professional communication, aptitude and soft skills to get employment at global level
4. Gain the reasoning ability, MOOC learning, field projects and summer training/internship which enables to qualify various national and international level exams for better career options.

PROGRAM OUTCOME (PO)

B. Sc. (Physics, Mathematics, Computer Science)

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PROGRAM OUTCOME (PO)	DESCRIPTION
PO1	Critical Thinking- Students will demonstrate an understanding of major concepts in all disciplines of Physics, Mathematics, Statistics/Computer Science. Understood the basic concepts, fundamental principles and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.
PO2	Effective Communication- Development of various communication skills such as reading, listening, speaking, etc., which will help in expressing ideas and views clearly and effectively.
PO3	Social Interaction- Development of scientific outlook not only with respect to science subjects but also in all aspects related to life.
PO4	Effective Citizenship- Imbibe moral and social values in personal and social life leading to highly cultured and civilized personality.
PO5	Ethics- Follow the ethical principles and responsibilities to serve the society.
PO6	Environment and Sustainability- Understand the issues of environmental contexts and sustainable development.
PO7	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.