

B.Sc Physics

Program Specific Outcomes

The B.Sc. Physics program is designed to impart basic knowledge of the discipline of Physics including phenomenology, theories and techniques, concepts and general principles. The courses are designed in such a way that by the end of the program students are equipped to ask physical questions and to obtain solutions to physical questions by use of qualitative and quantitative reasoning and by experimental investigation. The important student attributes including appreciation of the physical world and the discipline of Physics, curiosity, creativity and reasoned skepticism and understanding links of Physics to other disciplines and to societal issues is encouraged. With this in mind, we aim to provide a firm foundation in every aspect of Physics and to explain a broad spectrum of modern trends in physics and to develop experimental, computational and mathematics skills of the students.

The programme aims to develop the following abilities:

1. Read, understand and interpret physical information – verbal, mathematical and graphical.
2. Equip students in methodology related to Physics.
3. Impart skills required to gather information from resources and use them.
4. To give need based education in physics of the highest quality at the undergraduate level.
5. Offer courses to the choice of the students with interdisciplinary approach.
6. Perform experiments and interpret the results of observation, including making an assessment of experimental uncertainties.
7. Provide an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.
8. Use Information Communication Technology to gather knowledge at will.
9. Attract outstanding students from all backgrounds.