

Four-year B.S. Program in Physics:

The four-year BS program is intended to provide a broad-based education at undergraduate level to facilitate an early induction to global research scenario. The program is highly interdisciplinary with necessary flexibility to provide an overview of the entire gamut of important and recent scientific developments. The curriculum is designed to encompass theoretical, experimental and computational aspects of physics education. Sufficient exposure is to be provided on mathematics, chemical and engineering sciences; moreover, elements of humanities, social sciences and communication skills are added for a all round intellectual development.

Highlights of the 4 yr BS physics program are the following:

1. The physics curriculum has been designed to provide a thorough understanding of fundamentals and to enable students to cope with the challenges of modern research. The exposure to physics and inter disciplinary research is to be provided through a plethora of departmental and non-departmental **optional courses** pitched at the appropriate level and also by involving students to **undergraduate research programs** through departmental and inter-departmental projects.
2. The four-year program facilitates the option of attaining a **minor degree** in addition to the basic degree which can be from a department other than the parent department or from across departments.
3. This program also provides an opportunity to exceptional students of attaining a **double major degree** in two related disciplines by extending their program by two semesters.
4. An undergraduate student may be allowed to opt for **an M.S/M. Tech.** or an MBA by extending the program by two semesters. A student may be allowed to opt for a different major during masters through the **interdisciplinary dual degree program** or (s)he may complete the MS program in the same discipline.

These opportunities and flexibilities render the present program unique and attractive for the students motivated to make important contribution to research at the cutting edge not only in Physics but also in related science and engineering science disciplines.