

A Glance at B.Sc. Program:

India has carved a niche for itself in the in the global sphere as far as software is concerned. It indeed is emerging as a software hub and also as a super power thus fetching billions and billions of dollars to its forex market. The Indian basic science scenario in the past as well as present is fairly good, but it needs to be given further impetus. Therefore, the responsibility of the science colleges is much more important in the present context than ever before.

The scientific community in the country inarguably accepts the fact that the ancient India had made an extraordinary contribution to the realm of science. Right from the days of Aryabhata down to the days of Prof CNR Rao and Yashpal Sharma followed by many young scientists in the contemporary India have made unique contribution to the hoard of scientific research. Now it is a time for all of us to make new contributions in all spectrums of basic science as the world is passing through a critical phase confronted with many challenges so that the scientific findings can offer befitting solutions.

The students with right set of skills, scientific temperament, inquisitive mind coupled with hard work can do the wonders in field of science. The students in our college basically study Physics, Mathematics, Chemistry, Botany, Zoology, Computer Science, Electronics etc. With basic knowledge of these subjects, students can pursue higher studies in these fields and make their carrier.

There are wide range of opportunities that students can grab with both hands. Specially in the department of physics. Courses in Physics reveal the mathematical beauty of the universe at scales ranging from subatomic to cosmological (i.e., From 10^{-15} m to 10^{30} m). Studying physics strengthens quantitative reasoning and problem-solving skills that are valuable in areas beyond physics. Careers might focus on basic research in astrophysics, atomic physics, photonics. Students have more scope to work in emerging fields like renewable energy, quantum information science, Nano technology / materials development, biophysics, or medical physics.

The students will have more opportunities especially in teaching, medicine, law (especially intellectual property or patent law), science writing, energy policy, government or management in technical fields.

Learning of physics can be a great preparation for almost any career, it teaches students how to analyse complex problems and it provides strong quantitative background that can be applied in any technical field.

Similarly, Chemistry tends to focus on the properties of substances and the interactions between different types of matter, particularly reactions that involve electrons.

Everything we touch or taste or smell is chemical. When we study chemistry, we understand a bit about how things work. A person with a bachelor's level education in chemistry is well prepared to assume professional positions in industry, education, or public service. The chemist is highly sought after and employed scientists. Chemistry joins together physics and mathematics, biology and medicine, and the earth and environmental sciences as a cohesive force.

Mathematics is a fascinating and useful to study at degree level. Do you know, what calculations were used to build the Pyramids? How do suspension bridges not fail? How is landing on the moon possible? In all of these questions lies a solution based in the usage of mathematics. With the help of study of mathematics impossible feats are achieved, like landing on the moon, building the tallest tower etc. Hence Mathematics is an essential tool in our innovative achievements.

Similarly, life sciences like Botany and Zoology do have their own significance in our day-to-day life. At least to know the constitution of our body, its various systems be it circulatory, nervous, excretory or digestive, along with what the body needs for its sustenance are the domain areas of study of zoology and botany. In addition to these students will learn many more components of these two branches of study of plants and animal life.

The study of Electronics and Computer Science are most sought after branches of knowledge, as far as application part is concerned. Both these subjects have made life change at a lightning speed in the recent days. The use of computers, electronics appliances, role of internet and sensors have revolutionized the present living conditions of humanity. The integrated approach of science and technology especially in internet of things, machine learning, big data analytics, artificial intelligence have all made our life very easy, comfortable as well as luxurious. The emergence of nano technology and its usage in fields of medicine, civil aviation, defense and other sectors is yielding wonderful results. Life is changing at a meteoric speed which was never imagined before. This is an exciting journey of students in the field of science. Let the students come and reap the fruits of these branches of study.