

BACHELOR OF SCIENCE

Programme outcome (POs):

As a graduate of science faculty a student should have:

- Acquired the basic knowledge related to the subject offered.
- Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.
- Acquired the skills in handling scientific instruments.
- Acquired the skills of planning and performing laboratory experiments, recording observations and drawing logical inferences from the scientific experiments.
- Developed scientific outlook not only with respect to science subjects but also in all aspects related to life.

BACHELOR OF SCIENCE (PHYSICS)

Programme specific outcome (PSOs):

The curriculum motivates and encourages students to:

- understand basic concepts of Physics
- understand the core areas of physics, including mechanics, thermodynamics, quantum mechanics and electronics at a level compatible with graduate programs
- be able to analyze and interpret quantitative results, both in the core areas of physics and interdisciplinary areas
- be able to use contemporary experimental apparatus and analysis tools to acquire, analyze and interpret scientific data
- be able to apply the principles of physics to solve new and unfamiliar problems
- be able to effectively communicate scientific results

BACHELOR OF SCIENCE (CHEMISTRY)

Programme specific outcome (PSOs):

By the end of the programme, graduates will be able to

- have a spirit of inquiry into the fundamental aspects of the various core areas of Chemistry
- analyse the various observations and chemical phenomena presented to him during the course
- solve problems in the various units of this course
- get hands on experience of the concepts and processes in the various branches of chemistry
- get various skills of handling chemicals, reagents, apparatus, instruments and the care and safety aspects involved in such handling
- analyze and interpret results of the experiments he conducts or performs
- acquire or pursue a source of livelihood like jobs in chemical industry
- arouse the interest to pursue higher levels of learning in chemistry

BACHELOR OF SCIENCE (MICROBIOLOGY)

Programme specific outcome (PSOs):

At the end of the programme , the students will be able to

- understand concepts in basic and applied microbiology
- use relevant tools, instruments and equipments
- develop observational and analytical skills necessary of interpret experiment/ projects
- communicate scientifically
- understand microbial life processes at molecular level
- understand role of microorganisms in occurrence of disease and host defense
- exploit microorganism for benefit of mankind and environmental sustenance