

B.Sc. (Medical)

ABOUT THE COURSE

B.Sc. (Medical) is an integrated undergraduate course run by the School of Basic and Applied Sciences under New Education Policy. This course covers different domains of Chemistry, Botany and Zoology. Various generic elective, skill enhancement and value added courses have been added for the overall development of the student's personality. The course focuses to provide strong foundations in fundamentals as well as advanced level, keeping in view the syllabus recommended by UGC. The course gives the student freedom to have multiple entry and exit levels. A student can opt for exit after completing 1 year with certificate in the discipline or field chosen for vocational training, after completing 2 years of study with diploma, and Bachelor's degree in Science after 3 years of study. If the student further continued for the fourth year, Bachelor's Honours/Honours (Research) program is offered which provide opportunity to experience the full range of holistic and multidisciplinary education in a particular subject as per the student's preference. This four-year program may also lead to a degree with Research, if the student completes a rigorous research project in the major area(s) of study and direct admission to the 3rd semester of the respective Masters Course. Various job oriented skill enhancement courses have been added. This course gives a scope of developing analytical and critical thinking. In addition to classroom teaching, the department offers a wide range of extracurricular events throughout the year, including webinars, conferences, workshops, lab visits, educational tours, and guest lectures by renowned scientists.

COURSE DURATION : 3 + 1 years.

ELIGIBILITY

Candidates must have passed **10+2** examination with **Physics, Chemistry and Biology** and as main subjects with a minimum of 50% marks (45% for SC/ST) in aggregate from recognized state or central board of examination.

COURSE FEE: 20,000/- INR per semester

FACILITIES

In the departmental laboratories, there is a wet area where experiments can be set up and carried out, as well as a dry area equipped with tools like digital cameras, water baths,

microtomes, slide warming tables, BOD incubators with shakers, hot air ovens, autoclaves, and spectrophotometers. To further strengthen their knowledge of the different topics, students do a variety of experiments in the laboratories.

CAREER OPPORTUNITIES

After completion of the BSc Medical program, students have a wide variation of job opportunities in healthcare sectors like hospitals, clinics, government agencies, scientific and research development services, academic institutions, and patenting. In addition to these, students can also choose from a variety of options like pursuing further studies or looking for jobs in areas like teaching, laboratory work and scientific research.

- Higher Studies: Students can pursue higher studies in the subjects like MSc in Zoology, MSc in Chemistry or MSc in Botany, MSc Medical Anatomy etc. .
- Research Work: Students who have an interest in academic or scientific research might create their own research projects or collaborate with research teams at the institutes. Research funding are approved for initiatives that demonstrate significant advancement.
- Jobs: One can choose to work as a medical lab assistant as well as lab technologist after completing the course. Scholarly occupations such as botany, zoology, or biochemistry can also be pursued.
- Teaching: students who are interested in teaching can work as school teacher after completing course.