

About the Programme M.Sc

Masters of Science - Biotechnology

The M.Sc Biotechnology is designed to equip the students with all the tools and techniques, in theory and practical's, of modern biology for applications in industry and agriculture. The highlight of this programme is that, in addition to the formal class room teaching, well - planned lab sessions and interactive tutorials, exposure to all experimental tools used in modern biotechnology industry and research is provided through carefully designed research projects.

Career Opportunities

Career paths vary from technical to managerial in the areas of general microbiology, environmental science, medical science and biotechnology including pharmaceuticals. Graduates can progress to postgraduate research at academic or private sector institutions or embark on science teaching careers. They can even opt for a career in government organizations, academic Institutions, product marketing companies as researchers, database developers, consultants and trainers academicians.

Masters of Science - Biochemistry

The M.Sc Biochemistry programme deals with the basic chemistry of macromolecules such as carbohydrates, lipids, proteins and nucleic acids, in terms of their structure, function and metabolism. The Programme also includes the study of microbiology, general physiology, molecular biology, genetics and a whole range of biochemical and biophysical techniques needed to understand life from a molecular standpoint.

Career Opportunities

Career paths vary from technical to managerial in the areas of general biochemistry, environmental science, medical science and biotechnology including pharmaceuticals. Graduates can progress to postgraduate research at academic or private sector institutions or embark on science teaching careers.

They can opt for careers as clinical research associate, study coordinator, regulatory affairs manager, clinical project manager, business development manager, medical writer, clinical research investigator, biostatistician, clinical trials auditor, drug safety associate.

Masters of Science - Forensic Science

Forensic science is the application of science to law and its enforcement. The degree will appeal to those with an interest in the application of science to the investigation and analysis of evidence.

The programme provides an intellectually challenging study of a full range of forensic applications. The aim of this programme is to encourage students to study scientific subjects that provide them with the necessary skills to work in forensic science as well as a wide range of other scientific fields. The major emphasis of the programme is to provide high-quality broad-based scientific training that does not restrict successful graduates when they choose their career. It fulfills the growing demand for expertise in investigatory, enforcement and monitoring work, including incident scene investigation, physical evidence collection, laboratory analysis of evidence and defense of testimony

Career Opportunities

A master degree course in forensic science emphasizes the development of analytical and problem-solving skills which are very relevant to a wide range of employment opportunities in both the public and private sectors. There are significant demands for forensic science skills from law enforcement organisations (police, customs, environmental, health) and investigatory agencies.

Masters of Science - Microbiology

Career paths vary from technical to managerial in the areas of general microbiology, environmental science, medical science and biotechnology including pharmaceuticals. Graduates can progress to postgraduate research at academic or private sector institutions or embark on science teaching careers.

They can even opt for a career in government organizations, academic Institutions, product marketing companies as Clinical Scientists, industrial researchers, database developers, consultants and trainers academicians.

Career Opportunities

Graduates can progress to postgraduate research at academic or private sector institutions or embark on science teaching careers. Graduates can choose food microbiology and dairy

companies where a microbiologist can be appointed as a quality and control manager and also as a food inspector. They can even opt for a career in government organizations, academic Institutions, product marketing companies as Clinical Scientists, industrial researchers, database developers, consultants, drug safety associate, clinical trials auditor, biostatistician, regulatory affairs manager and trainers academicians.

Masters of Science - Physics

The M.Sc. Physics degree Programme provides a thorough analytical background to basic and modern foundations of conventional physics coupled with an insight into areas such as Material Science, which is offered as a subject of specialization.

Career Opportunities

Post Graduate students of M.Sc Physics can pursue a career in Research and Development individually or for corporate houses and educational establishments. They are even privileged to obtain lucrative career opportunities in engineering and microelectronics industries. They can even opt for careers in the fields of space science research, aircraft technology and several other related fields. They can even opt to stay on in education and pursue doctoral degrees.

Masters of Science - Psychology

The post graduate programme in psychology is designed to equip the students with necessary skills and techniques of biological, cognitive, clinical counseling, industry, community, health, social, and indigenous fields. Special care is taken to give adequate exposure to practical and field training in relevant areas in the form of projects. Special attention is given so that the students develop an aptitude for research. The faculty also inculcates the critical and analyzing fervor into the students for understanding the cause and effects of human behavior in different set ups.

Three specializations offered in Psychology:

- Clinical Psychology helps the students to specialize in the evaluation, diagnosis and treatment of mental and behavioral disorders
- Counseling Psychology focuses primarily on educational, social, family, marital and career adjustment problem

- Industry/organizational Psychology applies the principles of psychology to the work place including personnel selection and evaluation, leadership, job satisfaction, employee motivation and group processes within the organization

Career Opportunities

Graduates can pursue career as a researcher in clinical and social institutions, they can choose to become HR managers, industry psychologists, counselors in hospitals, educational institutions and social service organizations. They can even opt to become entrepreneurs by setting up own counseling centers. Psychology post graduates also have a bright future as HR consultants offering psychometric assessments in conducting competitive examinations and curriculum developers in public service commission under Human Resource Development, Government of India.