

Dr. RVR



INSTITUTE OF TECHNOLOGY DEEMED TO BE

UNIVERSITY

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**LEARN. DISCOVER.
CARE. LEAD.**



**EMPOWERING SKILLED
PROFESSIONALS TO
TRANSFORM LIVES &
CREATE A HEALTHIER FUTURE.**

WHERE EDUCATION BUILDS SUCCESSFUL FUTURES



COURSES OFFERED

UNDERGRADUATE PROGRAMMES

B.SC.
AVIATION &
HOSPITALITY
MANAGEMENT

B.SC.
FORENSIC
SCIENCE

B.SC.
DIGITAL
FORENSICS &
CYBER SECURITY

B.SC.
BIOTECHNOLOGY
& BIOINFORMATICS

B.SC.
BIOTECHNOLOGY,
MICROBIOLOGY,
COMPUTER SCIENCE

B.SC.
FOOD TECHNOLOGY,
MICROBIOLOGY,
CHEMISTRY

B.SC.
AGRICULTURE

B.SC.
MEDICAL
BIOTECHNOLOGY

B.SC.
MEDICAL
MICROBIOLOGY

B.SC.
DIGITAL
HEALTH WITH
AI & ML

B.SC.
BIOMEDICAL
SCIENCES

B.SC.
GENETICS&
MOLECULAR BIOLOGY

POSTGRADUATE PROGRAMMES

M.SC.
FOOD SCIENCE
& TECHNOLOGY

M.SC.
CLINICAL
MICROBIOLOGY

M.SC.
CLINICAL
EMBRYOLOGY

M.SC.
MEDICAL
BIOTECHNOLOGY

M.SC.
AGRICULTURE

M.SC.
FORENSIC
SCIENCE &
CRIMINOLOGY

M.SC.
DIGITAL
FORENSICS &
CYBER SECURITY

M.SC.
CLINICAL RESREACH
& EXPERIMENTAL
MEDICINE

M.SC.
BIOTECHNOLOGY

M.SC.
GENETICS &
MOLECULAR BIOLOGY



B.SC. AVIATION & HOSPITALITY MANAGEMENT

COURSE OVERVIEW

The B.Sc. in Aviation & Hospitality Management is a three-year undergraduate degree designed to equip students with managerial, operational, and customer service skills required in the aviation and hospitality industries. The program combines core business concepts with specialized knowledge in airline operations, airport management, hospitality services, travel, and tourism. Through industry-focused learning and practical exposure, students are prepared for exciting career opportunities in airlines, airports, hotels, resorts, cruise lines, and tourism organizations.

ELIGIBILITY CRITERIA

Applicants must have successfully completed Intermediate (10+2) or an equivalent qualification from a recognized board, including TGBIE, BIEAP, TOSS, APOSS, NIOS, or any other recognized institution. Candidates should secure a minimum of 45% aggregate marks (40% for candidates belonging to reserved categories) and may belong to any academic stream.

IMPORTANT SUBJECTS TO BE COVERED

The curriculum is industry-oriented & includes:

MANAGEMENT & CORE SUBJECTS

- Principles of Management
- Business Communication
- Organizational Behavior
- Marketing Management
- Human Resource Management
- Financial Management

AVIATION SPECIFIC SUBJECTS

- Aviation Management
- Airline Operations
- Airport Management
- Air Ticketing & Reservation Systems (GDS / Amadeus & Galileo)
- Aviation Safety & Security
- Cargo & Logistics Management
- Aviation Law & Regulations

HOSPITALITY SUBJECTS

- Hospitality Management
- Front Office Operations
- Food & Beverage Management
- Housekeeping Management
- Travel & Tourism Management
- Event Management

JOB OPPORTUNITIES

INDIA

- Cabin Crew (Air Hostess / Flight Steward)
- Ground Staff / Airport Operations Executive
- Customer Service Executive (Airlines / Airports)
- Ticketing & Reservation Executive
- Cargo & Logistics Executive
- Front Office Executive (Hotels)
- Guest Relations Executive
- Event Coordinator

ABROAD

- Cabin Crew (International Airlines)
- Airport Operations Manager
- Hospitality Manager (Hotels / Resorts / Cruise Lines)
- Guest Experience Manager
- Travel & Tourism Consultant
- Airline Customer Service Specialist
- Luxury Hospitality Executive

TOP RECRUITERS



AIRLINES

IndiGo, Air India,
Emirates,
Qatar Airways,
Singapore Airlines



AIRPORT OPERATORS

GMR, GVK,
Adani Airports



HOSPITALITY CHAINS

Taj, Oberoi,
Marriott, Hilton



HYATT TRAVEL COMPANIES

Thomas Cook,
MakeMyTrip,
Yatra



CRUISE LINES

Carnival,
Royal Caribbean



GROUND HANDLING

AISATS, Celebi,
Bird Group



B.SC. FORENSIC SCIENCE



COURSE OVERVIEW

B.Sc. Forensic Science is a 4-year undergraduate program, including a compulsory one-year internship, that prepares students for careers in criminal investigation and forensic analysis. The course develops expertise in evidence examination, crime scene reconstruction, forensic biology, toxicology, fingerprint identification, cyber forensics, and investigative techniques. Combining academic learning with practical laboratory work, field training, and industry exposure, the program equips graduates for opportunities in forensic labs, law enforcement agencies, legal services, and security sectors.

ELIGIBILITY CRITERIA

Candidates must have successfully completed Intermediate (10+2) or its equivalent from a recognized Board such as TGBIE, BIEAP, TOSS, APOSS, NIOS, or any other recognized institution, with **BiPC** as the qualifying stream. Applicants should secure a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

BASIC SCIENCES

- Physics for Forensic Science
- Chemistry for Forensic
- Applications Biology & Human
- Anatomy Biochemistry

CORE FORENSIC SUBJECTS

- Introduction to Forensic Science Crime
- Scene Investigation
- Forensic Biology
- Forensic Chemistry & Toxicology Forensic
- Physics • Forensic Medicine
- Fingerprint Analysis (Dactyloscopy)

ADVANCED & SPECIALIZED AREAS

- DNA Fingerprinting & Serology
- Forensic Ballistics • Cyber & Digital Forensics
- Questioned Document
- Examination Forensic • Anthropology
- Criminology & Criminal Law
- Forensic Psychology

PRACTICAL TRAINING

- Crime Scene Simulation & Evidence
- Collection Laboratory Analysis (DNA, Toxicology, Ballistics) Internship with
- Forensic Labs / Police Departments Case
- Study Analysis

CAREER OPPORTUNITIES

INDIA

- Forensic Scientist
- Crime Scene Investigator
- Forensic Analyst Toxicologist
- DNA Analyst
- Cyber Forensic Expert
- Fingerprint Expert Forensic Lab Technician

ABROAD

- Forensic Scientist / Analyst
- Crime Scene Investigator (CSI)
- Digital Forensics Expert
- Forensic Toxicologist
- DNA Analyst
- Intelligence & Security Analyst

TOP RECRUITERS

Central Forensic
Science Laboratories
(CFSL)

State Forensic
Science Labs (FSL)

Central Bureau
of Investigation (CBI)

Intelligence
Bureau (IB)

National
Investigation
Agency (NIA)

Police
Departments





B.SC. DIGITAL FORENSICS & CYBER SECURITY



COURSE OVERVIEW

B.Sc. in Digital Forensics & Cyber Security is a 4-year undergraduate program (including a mandatory one-year internship) designed to develop expertise in safeguarding digital infrastructure, combating cybercrime, and securing sensitive information. The curriculum provides practical knowledge in ethical hacking, cybersecurity practices, cyber legislation, digital evidence analysis, and forensic investigation techniques. As cyber risks continue to grow globally, the program prepares students for rewarding careers in cybersecurity, digital forensics, information technology, law enforcement, and cyber investigation sectors.

ELIGIBILITY CRITERIA

Candidates must have completed 10+2 or an equivalent qualification from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC or MPC** as the qualifying stream, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

CORE IT & COMPUTING

- Fundamentals of Computers &
- Programming (C / Python)
- Data Structures & Algorithms
- Operating Systems • Computer Networks
- Database Management Systems (DBMS)

CYBER SECURITY CORE

- Cyber Security Fundamentals Network
- Security • Cryptography & Information Security
- Ethical Hacking & Penetration Testing
- Web Application Security • Cloud Security

DIGITAL FORENSICS

- Digital Forensics Fundamentals
- Computer & Mobile Forensics Incident
- Response & Investigation Malware Analysis
- Cyber Crime Investigation
- Evidence Collection & Preservation

ADVANCED & LEGAL ASPECTS

- Cyber Laws & IT Act
- Risk Management & Cyber Auditing
- Blockchain & Emerging Technologies
- Artificial Intelligence in Cyber Security

PRACTICAL TRAINING

- Hands-on Lab Sessions (Ethical Hacking
- Tools) Cyber Attack Simulations
- Internship with IT Firms / Cyber Security
- Agencies • Live Case Studies

CAREER OPPORTUNITIES

INDIA

- Cyber Security Analyst
- Ethical Hacker / Penetration Tester
- Digital Forensics Analyst
- Information Security Analyst
- Network Security Engineer
- Cyber Crime Investigator
- Security Operations Center (SOC) Analyst

ABROAD

- Cyber Security Specialist
- Digital Forensics Investigator Information
- Security Consultant Ethical Hacker
- Incident Response Analyst Cyber Risk Analyst

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B.SC.

BIOTECHNOLOGY & BIOINFORMATICS



COURSE OVERVIEW

B.Sc. Biotechnology & Bioinformatics is a multidisciplinary undergraduate program that integrates biotechnology, genetics, molecular biology, computational sciences, artificial intelligence, and data-driven analytics for advancements in life sciences and healthcare. The curriculum emphasizes genetic manipulation, genome sequencing, drug development, bioinformatics technologies, biomedical innovation, and biotechnology applications across research and industry sectors.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent qualification from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with MPC or BiPC as the qualifying stream, securing a minimum of 45% aggregate marks (40% for candidates belonging to reserved categories)

KEY SUBJECTS COVERED

- Cell Biology • Molecular Biology • Genetics
- Biochemistry • Microbiology • Genetic Engineering
- Immunology • Bioinformatics • Computational Biology
- Biostatistics • Genomics & Proteomics
- Artificial Intelligence in Biotechnology
- Pharmaceutical Biotechnology
- Industrial Biotechnology • Bioprocess Engineering
- Drug Discovery & Design
- Database Management Systems
- Research Methodology
- Python/R Programming for Bioinformatics
- Internship & Project Work

INDUSTRIES HIRING

- Biotechnology Companies
- Pharmaceutical Industries
- Clinical Research Organizations
- Genomics Laboratories
- Healthcare AI Companies
- Research Institutes
- Agricultural Biotechnology Firms
- Biomedical Companies

CAREER OPPORTUNITIES

- Bioinformatics Analyst
- Biotechnology Research Assistant
- Clinical Data Analyst
- Genetic Lab Technologist
- Molecular Biologist
- Biomedical Research Associate
- Quality Control Executive
- Pharmaceutical Associate
- Biotech Software Analyst
- Clinical Research Coordinator
- Genomics Scientist
- Bioinformatics Scientist
- Computational Biologist
- Drug Discovery Analyst
- Biomedical Data Scientist
- Research Scientist
- Precision Medicine Specialist
- Biotechnology Consultant





B.SC.

BIOTECHNOLOGY, MICROBIOLOGY & COMPUTER SCIENCE

COURSE OVERVIEW

This interdisciplinary program combines biotechnology, microbiology, and computing technologies to equip students for careers in biological research, bioinformatics, healthcare informatics, data-driven life sciences, and computational biotechnology.

ELIGIBILITY CRITERIA

Candidates must have completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC or MPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Biotechnology
- Microbiology
- Molecular Biology
- Genetics
- Biochemistry
- Immunology
- Bioinformatics
- Programming Languages
- Database Management Systems
- Data Structures
- Artificial Intelligence Basics
- Genomics & Proteomics
- Computational Biology
- Research Methodology

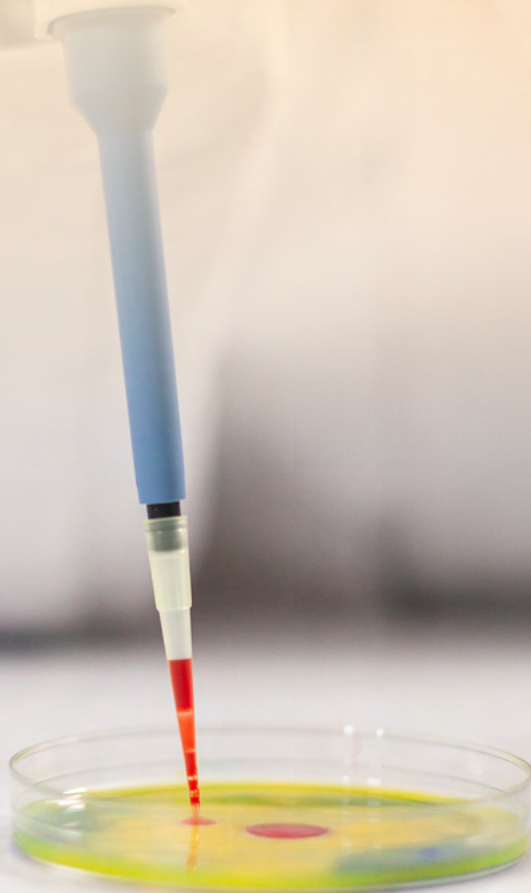
CAREER OPPORTUNITIES

INDIA

- Bioinformatics Analyst
- Biotechnology Executive
- Research Associate
- Clinical Data Analyst
- Laboratory Technologist

ABROAD

- Computational Biologist
- Bioinformatics Scientist
- Genomics Analyst
- Biomedical Data Scientist





B.SC.

FOOD TECHNOLOGY, MICROBIOLOGY & CHEMISTRY

COURSE OVERVIEW

This multidisciplinary program integrates food technology, microbiology, and chemical sciences to build expertise in food manufacturing, quality control, food safety standards, preservation methods, and innovative product development.

ELIGIBILITY CRITERIA

Candidates must have completed 10+2 or an equivalent qualification from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC or MPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Food Chemistry
- Food Microbiology
- Food Processing Technology
- Food Preservation
- Analytical Chemistry
- Industrial Microbiology
- Nutrition Science
- Food Packaging Technology
- Quality Assurance
- Food Safety Regulations
- Dairy Technology
- Bakery Technology
- Biochemistry
- Research Methodology

CAREER OPPORTUNITIES

INDIA

- Food Technologist
- Quality Control Executive
- Food Safety Officer
- Production Executive
- Food Analyst

ABROAD

- Food Safety Specialist
- Food Quality Manager
- Food Production Supervisor
- Research Scientist



B.SC. (HONS) AGRICULTURE



COURSE OVERVIEW

B.Sc. (Hons) Agriculture is a 4-year undergraduate program designed to provide comprehensive knowledge of agricultural sciences, advanced cultivation methods, farm management, and sustainable agricultural systems. The curriculum blends academic learning with practical field experience, equipping students for successful careers in farming, agricultural research, agribusiness, agritech innovations, and related sectors.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with BiPC, MPC, or Vocational Agriculture, securing a minimum of 45% aggregate marks (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

The curriculum is designed as per ICAR guidelines and includes:

- Fundamentals of Agronomy
- Soil Science & Agricultural Chemistry
- Genetics & Plant Breeding
- Plant Pathology
- Entomology (Insect Science)
- Agricultural Economics
- Agricultural Engineering
- Horticulture (Fruits, Vegetables, Floriculture) Seed Technology
- Irrigation & Water Resource
- Management Organic Farming & Sustainable Agriculture Crop Production Technology
- Agricultural Extension Education
- Agribusiness Management
- Precision Farming & Smart Agriculture
- Agricultural Biotechnology

CAREER OPPORTUNITIES

INDIA

- Agriculture Officer
- Field Officer / Agriculture Extension
- Officer Agronomist
- Soil Scientist
- Seed Technologist
- Farm Manager
- Agricultural Analyst
- Agri Marketing Executive

ABROAD

- Agricultural Consultant
- Farm Manager (USA, Canada, Australia, New Zealand)
- Agribusiness Specialist
- Crop Scientist
- Precision Farming Specialist
- Food Security Analyst
- Greenhouse / Hydroponics Expert
- Plantation Manager
- Research Associate





B.SC. MEDICAL BIOTECHNOLOGY

COURSE OVERVIEW

B.Sc. Medical Biotechnology is an undergraduate program centered on the use of biotechnology in healthcare, clinical diagnostics, pharmaceutical sciences, genetics, molecular therapeutics, and biomedical innovation. The course equips students with expertise in laboratory methodologies, disease detection, genetic engineering techniques, vaccine research, and emerging biomedical technologies.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent qualification from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories.)

KEY SUBJECTS COVERED

- Cell Biology
- Human Anatomy & Physiology
- Biochemistry
- Microbiology
- Molecular Biology
- Genetics
- Immunology
- Medical Biotechnology
- Recombinant DNA Technology
- Genetic Engineering
- Clinical Biochemistry
- Virology
- Pharmacology
- Biomedical Instrumentation
- Research Methodology
- Bioinformatics
- Diagnostic Techniques

CAREER OPPORTUNITIES

INDIA

- Medical Laboratory Executive
- Biotechnology Associate
- Research Assistant
- Clinical Research Coordinator
- Molecular Diagnostics Technician
- Biomedical Sales Executive
- Quality Control Analyst
- Vaccine Production Associate

ABROAD

- Medical Biotechnologist
- Research Scientist
- Clinical Laboratory Associate
- Genetic Diagnostics Specialist
- Pharmaceutical Research Associate
- Biomedical Research Analyst

INDUSTRIES HIRING

Biotechnology
Industries

Pharmaceutical
Companies

Diagnostic
Laboratories

Vaccine
Manufacturing
Companies

Clinical
Research
Organizations

Biomedical
Research
Institutes





B.SC. MEDICAL MICROBIOLOGY



COURSE OVERVIEW

B.Sc. Medical Microbiology specializes in the study of disease-causing microorganisms and their detection, prevention, management, and eradication. The program offers comprehensive laboratory training in bacteriology, virology, mycology, parasitology, and diagnostic techniques for infectious diseases.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Microbial Biology
- Medical Bacteriology
- Virology
- Mycology
- Parasitology
- Immunology
- Clinical Microbiology
- Molecular Diagnostics
- Infection Control
- Epidemiology
- Medical Laboratory Techniques
- Biotechnology
- Clinical Pathology
- Biostatistics
- Research Methodology

CAREER OPPORTUNITIES

INDIA

- Medical Microbiologist
- Microbiology Laboratory Technologist
- Infection Control Officer
- Research Assistant
- Quality Control Executive

ABROAD

- Clinical Microbiology Specialist
- Infectious Disease Research Associate
- Public Health Laboratory Scientist
- Biomedical Researcher





B.SC. DIGITAL HEALTH WITH AI & ML

COURSE OVERVIEW

B.Sc. Digital Health with Artificial Intelligence & Machine Learning is an interdisciplinary program that combines healthcare, health informatics, artificial intelligence, machine learning, data science, and digital healthcare innovations. The course equips students to design and manage AI-powered healthcare applications, telehealth platforms, clinical analytics systems, and technology-driven patient care solutions.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC or MPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Human Anatomy & Physiology
- Healthcare Systems & Informatics
- Medical Terminology
- Artificial Intelligence in Healthcare
- Machine Learning
- Data Analytics
- Python Programming
- Health Information Systems
- Electronic Health Records (EHR)
- Telemedicine Technologies
- Clinical Decision Support Systems
- Medical Imaging Analytics
- Biostatistics
- Healthcare Data Management
- Cybersecurity in Healthcare
- Research Methodology
- Internship & Project Work

CAREER OPPORTUNITIES

INDIA

- Healthcare Data Analyst
- Digital Health Associate
- Clinical Informatics Executive
- AI Healthcare Analyst
- Health Information Manager
- Medical Data Scientist
- Telehealth Coordinator

ABROAD

- Health Informatics Specialist
- AI Healthcare Consultant
- Digital Health Manager
- Clinical Data Scientist
- Healthcare Technology Analyst



B.SC. BIOMEDICAL SCIENCES



COURSE OVERVIEW

B.Sc. Biomedical Sciences is a multidisciplinary program that integrates biological sciences and medicine to explore human health, disease processes, diagnostic techniques, and treatment approaches. The course provides a strong foundation for careers in medical research, biotechnology, clinical diagnostics, and biomedical advancements.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with **BiPC**, securing a minimum of **45% aggregate marks** (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Human Anatomy
- Human Physiology
- Cell Biology
- Molecular Biology
- Genetics
- Biochemistry
- Immunology
- Pathology
- Pharmacology
- Medical Microbiology
- Biomedical Instrumentation
- Clinical Biochemistry
- Biotechnology
- Research Methodology
- Bioinformatics

CAREER OPPORTUNITIES

INDIA

- Biomedical Scientist
- Research Associate
- Clinical Laboratory Executive
- Medical Research Assistant
- Healthcare Research Coordinator

ABROAD

- Biomedical Research Scientist
- Clinical Research Associate
- Molecular Diagnostics Specialist
- Biomedical Laboratory Scientist



B.SC. GENETICS & MOLECULAR BIOLOGY



COURSE OVERVIEW

B.Sc. Genetics & Molecular Biology concentrates on genes, inheritance, molecular processes, genetic diseases, biotechnology innovations, and advanced genomic sciences. The program offers a solid foundation in biological sciences and biomedical investigation.

ELIGIBILITY CRITERIA

Candidates must have successfully completed 10+2 or an equivalent examination from a recognized Board (such as TGBIE, BIEAP, TOSS, APOSS, or NIOS) with BiPC, securing a minimum of 45% aggregate marks (40% for candidates belonging to reserved categories).

KEY SUBJECTS COVERED

- Genetics
- Molecular Biology
- Cell Biology
- Human Genetics
- Genomics
- Proteomics
- Biotechnology
- Genetic Engineering
- Immunology
- Bioinformatics
- Recombinant DNA Technology
- Developmental Biology
- Cytogenetics
- Research Methodology

CAREER OPPORTUNITIES

INDIA

- Genetic Laboratory Executive
- Molecular Biology Technician
- Research Assistant
- Clinical Genetics Associate
- Biotechnology Executive

ABROAD

- Genomics Scientist
- Genetic Research Associate
- Molecular Diagnostics Specialist
- Biomedical Scientist





M.SC.

FOOD SCIENCE & TECHNOLOGY



COURSE OVERVIEW

M.Sc. Food Science & Technology is a postgraduate program developed to impart advanced expertise in food manufacturing, food quality, safety management, nutrition, product innovation, food packaging, and preservation techniques. The curriculum emphasizes scientific, technological, and administrative dimensions of the food sector, preparing graduates for senior roles in food production, quality management, research, and regulatory compliance.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Food Science & Technology program must possess a Bachelor's Degree or its equivalent from a recognized University in Food Science, Food Technology, Agriculture, Biotechnology, Microbiology, Biochemistry, Nutrition & Dietetics, Food Engineering, or any allied Life Science discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Advanced Food Chemistry
- Food Microbiology
- Food Processing Technology
- Food Engineering
- Food Packaging Technology
- Food Safety & Quality Assurance
- HACCP & GMP
- Nutraceuticals & Functional Foods
- Food Biotechnology
- Sensory Evaluation
- Food Laws & Regulations
- Product Development
- Research Methodology
- Industrial Training & Dissertation

CAREER OPPORTUNITIES

INDIA

- Food Technologist
- Quality Assurance Manager
- Food Safety Officer
- Production Executive
- R & D Scientist
- Regulatory Affairs Executive

ABROAD

- Food Analyst
- Food Quality Specialist
- Food Safety Auditor
- Product Development Scientist
- Food Processing Consultant
- Research Scientist



M.Sc. CLINICAL MICROBIOLOGY



COURSE OVERVIEW

M.Sc. Clinical Microbiology is a specialized postgraduate program centered on the study of pathogenic microorganisms, infectious disorders, laboratory testing, infection prevention, and advanced microbiological methodologies. The course equips students for careers in clinical diagnostics, healthcare laboratories, scientific research, and public health services.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Clinical Microbiology program must possess a Bachelor's Degree or its equivalent from a recognized University in Microbiology, Medical Microbiology, Biotechnology, Medical Biotechnology, Life Sciences, Biochemistry, or any other related Life Science discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Advanced Bacteriology
- Clinical Virology
- Medical Mycology
- Clinical Parasitology
- Immunology
- Molecular Diagnostics
- Infectious Diseases
- Hospital Infection Control
- Epidemiology
- Diagnostic Microbiology
- Clinical Laboratory Management
- Research Methodology
- Biostatistics
- Dissertation

CAREER OPPORTUNITIES

INDIA

- Clinical Microbiologist
- Infection Control Officer
- Laboratory Manager
- Research Associate
- Quality Assurance Executive

ABROAD

- Clinical Laboratory Scientist
- Infectious Disease Researcher
- Public Health Microbiologist
- Biomedical Scientist





M.Sc. CLINICAL EMBRYOLOGY

COURSE OVERVIEW

M.Sc. Clinical Embryology is an advanced specialized program focused on reproductive sciences, assisted reproductive technologies (ART), embryology laboratory techniques, fertility treatment, and IVF procedures. The program equips graduates to pursue careers in fertility hospitals, IVF clinics, and reproductive health laboratories.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Clinical Embryology program must possess a Bachelor's Degree or its equivalent from a recognized University in Biotechnology, Medical Biotechnology, Genetics, Microbiology, Zoology, MBBS, BDS, B.V.Sc., Allied Health Sciences, or any other related Life Science discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Human Reproductive Biology
- Embryology
- Reproductive Endocrinology
- Assisted Reproductive Technology (ART)
- IVF Laboratory Techniques
- Andrology
- Cryopreservation
- Reproductive Genetics
- Molecular Biology
- Stem Cell Biology
- Ethics in Reproductive Medicine
- Quality Control in IVF Labs
- Clinical Training & Research Project

CAREER OPPORTUNITIES

INDIA

- Clinical Embryologist
- IVF Laboratory Specialist
- Reproductive Biology Associate
- Fertility Clinic Coordinator
- ART Laboratory Executive

ABROAD

- Senior Embryologist
- IVF Specialist
- Reproductive Medicine Scientist
- Clinical Research Associate



M.SC. MEDICAL BIOTECHNOLOGY



COURSE OVERVIEW

M.Sc. Medical Biotechnology is a specialized postgraduate program emphasizing biotechnology applications in medicine, molecular therapeutics, diagnostics, pharmaceutical development, genomics, and precision healthcare. The program provides students with advanced knowledge in biomedical research and contemporary therapeutic innovations.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Medical Biotechnology program must possess a Bachelor's Degree or its equivalent from a recognized University in Biotechnology, Medical Biotechnology, Genetics, Microbiology, Biochemistry, Biomedical Sciences, or any other related Life Science discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Molecular Biology
- Medical Genetics
- Genomics & Proteomics
- Immunotechnology
- Molecular Diagnostics
- Stem Cell Technology
- Cancer Biology
- Drug Discovery & Development
- Bioinformatics
- Precision Medicine
- Recombinant DNA Technology
- Clinical Research
- Biostatistics
- Dissertation

CAREER OPPORTUNITIES

INDIA

- Medical Biotechnologist
- Molecular Diagnostics Specialist
- Research Scientist
- Clinical Research Associate
- Genomics Analyst

ABROAD

- Biomedical Scientist
- Biotechnology Consultant
- Drug Development Scientist
- Translational Research Associate



M.Sc. AGRICULTURE



COURSE OVERVIEW

M.Sc. Agriculture is a postgraduate program offering advanced expertise in crop production, agronomy, soil management, plant genetics, agricultural biotechnology, sustainable farming systems, and agribusiness administration. The program focuses on research, technological advancement, and innovative agricultural practices.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Agriculture program must possess a Bachelor's Degree or its equivalent from a recognized University in Agriculture, Horticulture, Forestry, Agricultural Biotechnology, Allied Agricultural Sciences, or any other related Life Science discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Agronomy
- Soil Science
- Plant Breeding & Genetics
- Agricultural Biotechnology
- Seed Technology
- Crop Physiology
- Plant Pathology
- Agricultural Economics
- Precision Agriculture
- Irrigation & Water Management
- Sustainable Agriculture
- Farm Management
- Agricultural Extension Education
- Research Methodology

CAREER OPPORTUNITIES

INDIA

- Agricultural Officer
- Agronomist
- Seed Technologist
- Agricultural Research Associate
- Farm Manager

ABROAD

- Agricultural Scientist
- Crop Consultant
- Precision Farming Specialist
- Agricultural Researcher





M.Sc. FORENSIC SCIENCE & CRIMINOLOGY

COURSE OVERVIEW

M.Sc. Forensic Science & Criminology is a multidisciplinary postgraduate program that integrates forensic investigations, criminal justice studies, forensic biology, forensic chemistry, criminology, and crime scene examination. The curriculum equips students with scientific and analytical skills required for crime detection, evidence evaluation, and law enforcement support. Through practical training and advanced investigative techniques, graduates are prepared for rewarding careers in forensic laboratories, investigative agencies, criminal justice organizations, and public safety services.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Forensic Science & Criminology program must possess a Bachelor's Degree or equivalent qualification from a recognized University in Forensic Science, Biotechnology, Microbiology, Biochemistry, Life Sciences, Chemistry, Criminology, or a related discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

KEY SUBJECTS COVERED

- Forensic Biology
- Forensic Chemistry
- Forensic Toxicology
- Criminal Law
- Criminology
- Crime Scene Investigation
- Fingerprint Science
- DNA Profiling
- Forensic Anthropology
- Forensic Psychology
- Cyber Crime Investigation
- Digital Evidence Management
- Research Methodology
- Dissertation

CAREER OPPORTUNITIES

INDIA

- Forensic Scientist
- Crime Scene Investigator
- Forensic Analyst
- Criminologist
- Forensic Consultant

ABROAD

- Forensic Laboratory Scientist
- Criminal Intelligence Analyst
- Digital Evidence Specialist
- Forensic Investigator



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KEY SUBJECTS COVERED

- Cyber Security Fundamentals
- Ethical Hacking
- Digital Forensics
- Cyber Crime Investigation
- Network Security
- Information Security Management
- Malware Analysis
- Cloud Security
- Cyber Threat Intelligence
- Incident Response & Recovery
- Cryptography
- Mobile Device Forensics
- Digital Evidence Management
- Security Auditing
- Research Project & Dissertation

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Candidates seeking admission to the M.Sc. Digital Forensics & Cyber Security program must possess a Bachelor's Degree or its equivalent from a recognized University in Computer Science, Information Technology, BCA, B.Tech (CSE, IT, Cyber Security), Cyber Security, or any other related computing discipline. Applicants should have secured a minimum of 50% aggregate marks in the qualifying examination, while candidates belonging to reserved categories are eligible with a minimum of 40% aggregate marks.

CAREER OPPORTUNITIES

INDIA

- Cyber Security Analyst
- Digital Forensic Investigator
- Ethical Hacker
- Security Consultant
- SOC Analyst
- Information Security Officer

ABROAD

- Cyber Forensics Specialist
- Incident Response Analyst
- Cyber Threat Intelligence Analyst
- Security Architect
- Digital Investigation Consultant

MAJOR RECRUITERS

Cyber Security
Companies

Government
Cyber Crime Units

Law Enforcement
Agencies

IT & Software
Companies

Banking & Financial
Institutions

Defense & Intelligence
Organizations

Digital Forensics
Laboratories

Multinational
Technology Companies



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M.SC. CLINICAL RESEARCH & EXPERIMENTAL MEDICINE



COURSE OVERVIEW

M.Sc. Clinical Research & Experimental Medicine is a specialized postgraduate program that provides advanced knowledge in clinical research, translational medicine, drug development, clinical trials, experimental therapeutics, and biomedical sciences. The curriculum integrates medical research, laboratory practices, biostatistics, pharmacovigilance, regulatory affairs, and emerging technologies. With extensive hands-on training in clinical trial management, data analysis, medical writing, and laboratory techniques, graduates are prepared for careers in pharmaceutical industries, research organizations, hospitals, and healthcare institutions..

ELIGIBILITY CRITERIA

Applicants seeking admission to the M.Sc. Clinical Research & Experimental Medicine program must hold a Bachelor's Degree or equivalent qualification from a recognized University in Clinical Research, Biotechnology, Medical Biotechnology, Microbiology, Biochemistry, Genetics, Biomedical Sciences, Pharmacy, Life Sciences, Nursing, Allied Health Sciences, MBBS, BDS, B.Pharm., Pharm.D., BPT, BOT, B.Sc. MLT, or a related healthcare or life science field. A minimum of 50% aggregate marks is required, with applicable relaxation for reserved category candidates

KEY SUBJECTS COVERED

- Clinical Research Methodology
- Experimental Medicine
- Clinical Trial Management
- Pharmacology
- Pharmacovigilance
- Drug Discovery & Development
- Molecular Medicine
- Translational Research
- Biostatistics
- Research Methodology
- Medical Ethics & Regulatory Affairs
- Clinical Data Management
- Epidemiology
- Molecular Diagnostics
- Biomedical Research Techniques
- Good Clinical Practice (GCP)
- Medical Writing
- Precision Medicine
- Artificial Intelligence in Clinical Research
- Dissertation & Clinical Research Project

CAREER OPPORTUNITIES

INDIA

- Clinical Research Associate (CRA)
- Clinical Trial Coordinator
- Pharmacovigilance Associate
- Clinical Data Analyst
- Medical Writer
- Regulatory Affairs Executive
- Research Scientist
- Drug Safety Associate
- Biomedical Research Coordinator
- Clinical Project Associate

ABROAD

- Clinical Research Scientist
- Clinical Trials Manager
- Translational Medicine Associate
- Experimental Medicine Researcher
- Regulatory Affairs Specialist
- Drug Development Scientist
- Biomedical Research Scientist
- Pharmacovigilance Specialist





M.Sc. BIOTECHNOLOGY

COURSE OVERVIEW

M.Sc. Biotechnology is an interdisciplinary postgraduate program that integrates biological sciences with advanced technologies to create innovative applications in healthcare, pharmaceuticals, agriculture, environmental management, industrial biotechnology, and biomedical sciences. The program offers specialized training in molecular biology, genetic engineering, bioinformatics, genomics, proteomics, and bioprocess engineering. The curriculum prepares students for scientific research, industrial innovation, product design, and rapidly growing biotechnology-based industries across healthcare, agriculture, and life science sectors.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Biotechnology program must possess a Bachelor's Degree or its equivalent from a recognized University in Biotechnology, Microbiology, Genetics, Biochemistry, Botany, Zoology, Bioinformatics, Biomedical Sciences, Medical Biotechnology, Life Sciences, Pharmacy, Agriculture, or any other related biological science discipline. Applicants must have secured a minimum of 50% aggregate marks in the qualifying examination, with relaxation for reserved category candidates as per applicable Government and University guidelines.

KEY SUBJECTS COVERED

- Molecular Biology
- Cell Biology
- Genetic Engineering
- Recombinant DNA Technology
- Genomics & Proteomics
- Immunotechnology
- Industrial Biotechnology
- Pharmaceutical Biotechnology
- Medical Biotechnology
- Agricultural Biotechnology
- Bioinformatics
- Stem Cell Technology
- Bioprocess Engineering
- Nanobiotechnology
- Drug Discovery & Development
- Biostatistics
- Research Methodology
- Intellectual Property Rights (IPR)
- Laboratory Techniques
- Dissertation & Research Project

CAREER OPPORTUNITIES

INDIA

- Biotechnologist
- Research Associate
- Molecular Biology Analyst
- Clinical Research Associate
- Quality Control Executive
- Biotechnology Production Executive
- Bioinformatics Analyst
- Scientific Officer
- Regulatory Affairs Associate

ABROAD

- Biotechnology Scientist
- Genomics Researcher
- Biomedical Scientist
- Drug Development Associate
- Industrial Biotechnology Specialist
- Clinical Biotechnology Researcher
- Research Scientist
- Bioprocess Specialist





M.SC. GENETICS & MOLECULAR BIOLOGY

COURSE OVERVIEW

M.Sc. Genetics & Molecular Biology is a specialized postgraduate program dedicated to the study of genes, inheritance, molecular pathways of diseases, genomics, genetic modification, and advanced molecular technologies. The program delivers extensive knowledge in molecular diagnostics, genomic research, precision medicine, biotechnology applications, and biomedical advancements.

Students gain advanced practical and research training in genomics, proteomics, molecular biology methodologies, bioinformatics, and medical genetics, preparing them for professional careers in research, diagnostics, healthcare services, and biotechnology organizations.

ELIGIBILITY CRITERIA

Candidates seeking admission to the M.Sc. Genetics & Molecular Biology program must possess a Bachelor's Degree or its equivalent from a recognized University in Genetics, Biotechnology, Microbiology, Biochemistry, Molecular Biology, Biomedical Sciences, Medical Biotechnology, Life Sciences, Botany, Zoology, Bioinformatics, or any other related biological science discipline. Applicants must have secured a minimum of 50% aggregate marks in the qualifying examination, with applicable relaxation for reserved category candidates as per Government and University regulations.

KEY SUBJECTS COVERED

- Molecular Biology
- Human Genetics
- Medical Genetics
- Cytogenetics
- Genomics & Proteomics
- Recombinant DNA Technology
- Gene Expression & Regulation
- Molecular Diagnostics
- Developmental Biology
- Cancer Genetics
- Stem Cell Biology
- Immunogenetics
- Bioinformatics
- Computational Biology
- Precision Medicine
- Genetic Counseling
- Biostatistics
- Research Methodology
- Laboratory Techniques in Molecular Biology
- Dissertation & Research Project

CAREER OPPORTUNITIES

INDIA

- Genetic Analyst
- Molecular Biology Research Associate
- Genomics Executive
- Clinical Genetics Associate
- Molecular Diagnostics Specialist
- Biomedical Research Scientist
- Bioinformatics Analyst
- Laboratory Scientist

ABROAD

- Genomics Scientist
- Molecular Geneticist
- Clinical Genetics Researcher
- Precision Medicine Specialist
- Biomedical Scientist
- Genetic Diagnostics Specialist
- Translational Research Associate
- Research Scientist

CAREER OPPORTUNITIES

Biotechnology
Companies

| Pharmaceutical
Industries

| Genomics & Genetic
Testing Laboratories

Clinical Research
Organizations (CROs)

| Hospitals &
Diagnostic Centers

| Biomedical
Research Institutes

Healthcare Technology
Companies

| Academic & Research
Institutions

| Government Research
Organizations

Precision Medicine &
Personalized Healthcare
Companies









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