

School of Science, Engineering & Technology



Visit Us on Campus!

Scan the QR Code to view 360°
of our campus.
rgu.ac/360-tour



Size of University

15,00,000



Sq. Feet

Educational Programs



Undergraduate



Master



Ph.D.

Location

Guwahati

The Largest City of North-East India



Foundation



2017

Popular majors among international students

Popular majors among International Students including, Engineering, Information Technology, Business Administration, Medical & Allied Sciences, Hotel Management etc. which serve a variety of career opportunities.

Conveniently located close to the city center

Adjacent to the National Highway 37, RGU campus is few minutes away from the Airport, Bus Stand and Railway Station.

Time-honoured Scholarship

Assam's 2000 year old History since the year 1228 under the leadership of Tai-Ahoms spirited the legacy of RGU.

Various scholarships for International students

Academic Achievement Scholarship for enrolled students.

A World Within Our Campus



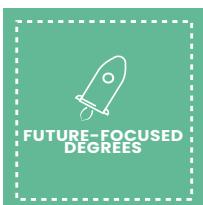
INNOVATIVE EDUCATION



AWARD-WINNING TEACHERS



WORLD-CLASS FACILITIES



FUTURE-FOCUSED DEGREES



INDUSTRY PLACEMENT



INCUBATION CENTER



COUNSELLING CELL



HUNDREDS OF HI-TECH LABS



LATEST COMPUTERS



STUDENT WELFARE CENTRE



STUDENT GALLERY FOR UNIFORM



DANCE & MUSIC ROOM



LUSH GREEN GARDEN & PLAYGROUNDS



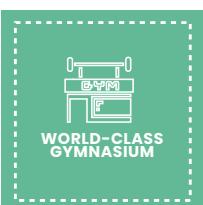
COMFORTABLE HOSTEL ROOM



ON-CAMPUS DEPARTMENT STORE



20+ FOOD KIOSKS/ CAFETERIA



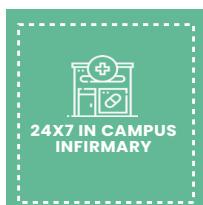
WORLD-CLASS GYMNASIUM



24X7 HRS SECURITY & CCTV CAMERAS



REFRESHING SWIMMING POOL



24X7 IN CAMPUS INFIRMARY



FREE DOCTOR CONSULTATION



FREE LEGAL AID



UNISEX SALON



LAUNDRY SERVICE

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RECOGNITION & APPROVALS



University Grants Commission (UGC)

The Assam Royal Global University is a full-fledged Private University established under section 2(f) of the UGC Act and is included in the list of universities maintained by University Grants Commission with the right to confer degrees as per Section 22 of UGC Act, 1956. The Assam Royal Global University has fulfilled / complied with all the criteria under Section 2f of the UGC Act, in terms of programmes, faculty, infrastructural facilities, financial viability etc. and the same has been duly accepted by UGC through its letter number F.8-30/2016(CPP-I/PU) dated 21st March 2024.



State Government

The Assam Royal Global University is established by 'The Assam Royal Global University Act', which has been notified by the Government of Assam vide notification no. LGL. 12/2013/22, in the year 2013.



Association of Indian Universities (AIU)

The Governing Council of the Association of Indian Universities (AIU) at its 345th Meeting held on June 22, 2017 at AIU House, New Delhi considered the application for grant of provisional membership of AIU and resolved to grant the same with effect from 22.5.2017.



All India Council for Technical Education

B.Tech. & MBA programmes/courses are approved by the All India Council for Technical Education (AICTE).



Council of Architecture

B.Arch. programme is approved by the Council of Architecture (COA).



Bar Council of India

B.A. LL.B. (H), BBA LL.B. (H) and LL.B. (H) programme/course is approved by the Bar Council of India (BCI).



Assam Nurses' Midwives' & Health Visitors' Council

B.Sc.-Nursing and GNM programme/course is approved by the Assam Nurses' Midwives' & Health Visitors' Council (ANMHVC).



Indian Nursing Council

B.Sc.-Nursing and GNM programme/course is provided by the Indian Nursing Council (INC).



Pharmacy Council of India

M.Pharm., B.Pharm. and D.Pharm. programmes/courses are approved by the Pharmacy Council of India (PCI).



Royal School of Engineering & Technology

M. Tech - AI

Characteristics:

- Advanced specialisation built on CSE fundamentals.
- Strong focus on Machine Learning, Deep Learning, AI systems, Cloud Computing, Quantum Computing, Applications of Computation algorithms in real-life scenarios.
- Research-oriented and innovation-driven curriculum.
- Project-based learning with capstone and industry exposure.
- Emphasis on ethical & responsible AI.
- Prepare students for global and multicultural work environments.

Career Opportunities:

AI & ML Roles

- Machine Learning Engineer
- AI Engineer
- Deep Learning Engineer
- Applied AI Scientist

Data & Analytics

- Data Scientist
- Advanced Data Analyst
- Decision Scientist

Research & Academia

- Research Assistant / Scientist
- PhD in AI / ML / Data Science
- Academic or Industrial Researcher

Industry-Specific AI Roles

- NLP Engineer
- Computer Vision Engineer
- Robotics & Autonomous Systems Engineer
- AI Specialist (FinTech, HealthTech, Automotive)

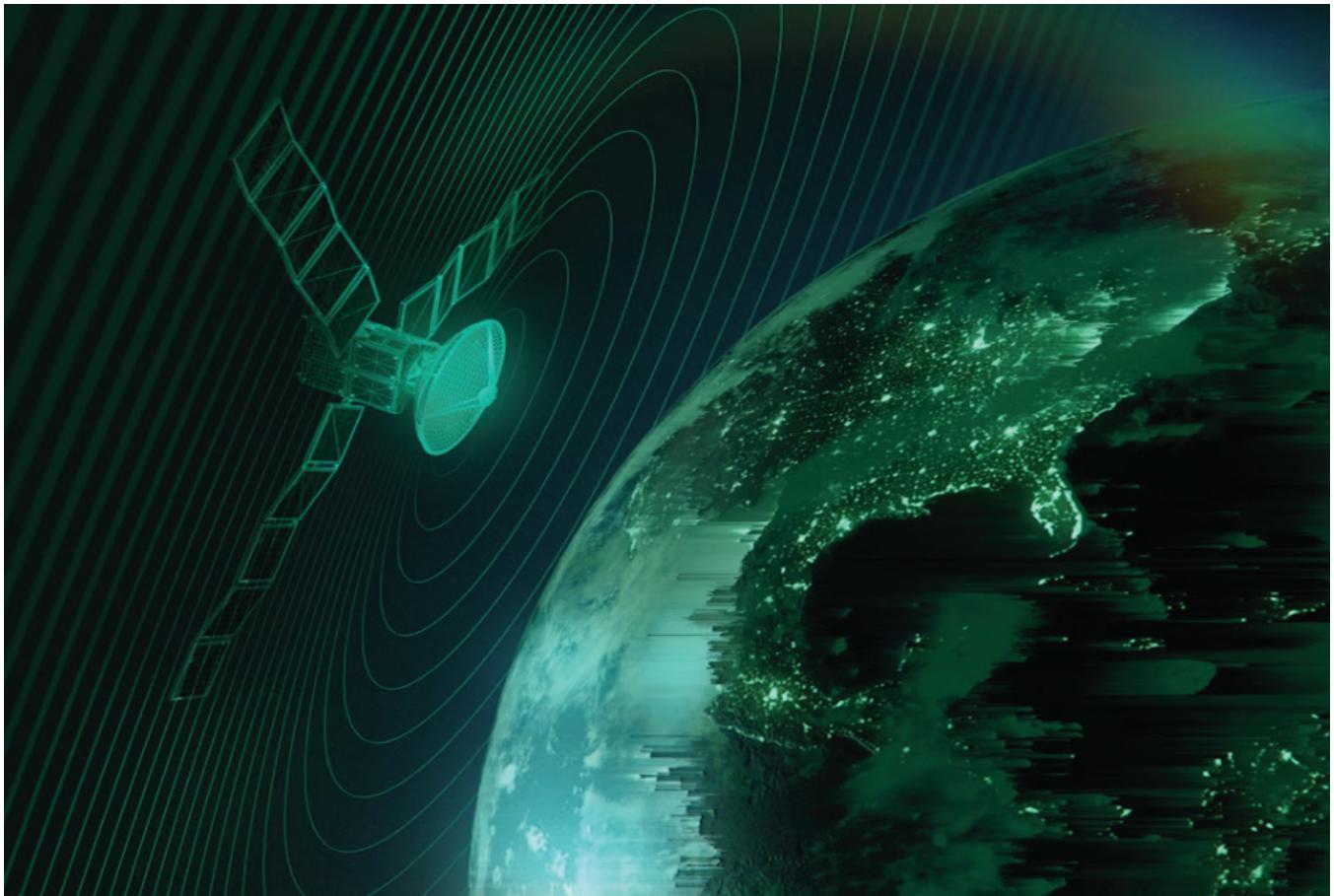
Cloud, MLOps & Infrastructure

- MLOps Engineer
- AI Cloud Engineer
- AI Platform Engineer

Leadership & Entrepreneurship

- AI Consultant
- AI Product Manager
- Tech Startup Founder

ARTIFICIAL
INTELLIGENCE



M. Tech. - IoT

Characteristics:

Advanced specialisation built on CSE fundamentals (programming, networks, OS). Combines software + hardware + networking + cloud. Strong focus on real-time, embedded and distributed systems. Hands-on, lab-intensive and project-driven program. Emphasis on industry applications (smart cities, healthcare, Industry 4.0). Integration of IoT + Cloud + AI/ML. Focus on IoT security & data privacy (global compliance). Exposure to international standards & protocols.

Career Opportunities:

IoT & Embedded Roles

IoT Engineer / IoT Developer
Embedded Systems Engineer
Firmware Engineer
Smart Device Engineer

Cloud, Edge & Systems

IoT Cloud Engineer
Edge Computing Engineer
Systems Integration Engineer

Security & Networks

IoT Security Engineer
Network & Protocol Specialist

Industry-Focused Roles

Industrial IoT (IIoT) Engineer
Smart City Solutions Engineer
Automotive & Mobility IoT Engineer
Healthcare IoT Specialist

Research, Leadership & Entrepreneurship

IoT Research Engineer / Research Assistant
PhD in IoT, Embedded Systems, CPS
Technical Consultant
IoT Product Manager
Tech Startup Founder (IoT/Smart Systems)

INTERNET OF THINGS

COMPUTER SCIENCE & ENGINEERING



B. Tech. - CSE / B. Tech. (Lateral Entry) CSE

Characteristics

Undergraduate engineering programme focused on computing, software and intelligent systems. Strong foundation in programming, algorithms, mathematics and computer systems.

Combines theoretical concepts with hands-on labs, projects and internships.

Emphasis on problem-solving, logical thinking and innovation.

Exposure to emerging technologies such as AI, Data Science, IoT, Cloud and Cybersecurity.

Develops skills in software development, system design and computational thinking.

Encourages teamwork, research orientation and entrepreneurial mindset.

Globally recognised degree with strong international employability.

Career Opportunities :

Software Development & Engineering

Software Engineer / Developer

Full-Stack, Front-End, or Back-End Developer

Mobile Application Developer (Android / iOS)

Data, AI & Intelligent Systems

Data Analyst / Data Scientist

Machine Learning Engineer

Artificial Intelligence Engineer

Cloud, Systems & Infrastructure

Cloud Engineer (AWS, Azure, Google Cloud)

DevOps Engineer / Systems Engineer

Site Reliability Engineer (SRE)

Cybersecurity & Networking

Cybersecurity Analyst / Network Engineer.

Ethical Hacker / Penetration Tester

Information Security Engineer

Emerging & Specialized Global Roles

Blockchain Developer

Internet of Things (IoT) Engineer

AR/VR Developer

Game Developer

Robotics Software Engineer

Entrepreneurship & Remote Careers

Entrepreneurship & Remote Careers

Startup Founder or Co-founder

Freelance Software Developer

Remote Engineer for global companies

Research, Higher Studies & Leadership

Research Assistant / Scientist

MS / MTech / PhD pathways

Technical Consultant

Product Manager / Project Manager



ARTIFICIAL INTELLIGENCE & DATA SCIENCE

B. Tech - AI & Data Science / B. Tech (Lateral Entry) AI & Data Science

Characteristics:

Undergraduate program combining foundations of Computer Science and strong concepts of AI & Data Science.
Strong foundation in programming, computational algorithms and statistics.
Focus on data-driven decision-making and intelligent systems.
Emphasis on hands-on projects, labs and real-world datasets.
Early exposure to machine learning, deep learning and analytics.
Use of industry-standard tools and frameworks.
Encourages research, innovation and ethical AI practices.

Career Opportunities:

AI & Data Roles

Data Analyst
Data Scientist
Machine Learning Engineer
AI Engineer

Business & Applied Analytics

Business Intelligence Analyst
Decision / Analytics Consultant

Software & Data Engineering

Data Engineer
Backend / Software Engineer

Research & Higher Studies

MS / M.Tech in AI, Data Science, ML
Research Assistant
Academic or Industrial Researcher

Emerging & Niche Roles

NLP Engineer
Computer Vision Engineer
AI Product Analyst

Entrepreneurship & Global Careers

AI / Data Startup Founder
Freelance Data Analyst
Remote AI / Data Professional



B. Tech - CE / B. Tech. (Lateral Entry) CE

Characteristics:

Globally recognised engineering discipline with international relevance.
Strong foundation in mathematics, physics and engineering mechanics.
Focus on design, construction and maintenance of infrastructure.
Blend of theory, fieldwork and practical laboratory learning.
Emphasis on safety standards, codes and regulations.
Exposure to sustainable, green and smart infrastructure.
Use of modern tools: CAD, BIM, GIS, project management software.
Develops problem-solving, leadership and site-management skills.
Suitable pathway to higher studies, professional licensure and global careers.

Career Opportunities:

Design & Technical Roles

Civil / Structural Engineer
Design Engineer
Geotechnical Engineer
Transportation Engineer

Construction & Project Management

Site Engineer
Project Engineer
Construction Manager
Quantity Surveyor

Infrastructure & Public Works

Urban Infrastructure Engineer
Highway & Railway Engineer
Water & Wastewater Engineer
Smart City Engineer

Sustainability & Environment

Environmental Engineer
Sustainability Consultant
Climate-Resilient Infrastructure Specialist

CIVIL
ENGINEERING

Surveying, BIM & Technology

Survey Engineer
BIM Engineer / Coordinator
GIS Analyst

Entrepreneurship & Global Opportunities

Construction & Infrastructure Entrepreneur
International Contractor / Consultant
Engineering Consultancy Founder



WATER RESOURCES DEVELOPMENT & MANAGEMENT (WRDM)

M. Tech - WRDM

Characteristics:

Advanced postgraduate specialisation focused on planning, development, management of water resources.

Builds on core Civil Engineering fundamentals.

Strong emphasis on sustainable water systems & climate resilience.

Integration of engineering, hydrology and environmental management.

Application-oriented learning with field studies, modelling and research.

Exposure to international water policies, standards and practices.

Extensive use of modelling, simulation and data-driven decision tools.

Prepares graduates for global water and infrastructure challenges.

Strong pathway to PhD, R&D and policy-oriented careers.

Career Opportunities:

Water Resources & Engineering Roles

Water Resources Engineer

Hydraulic Engineer

Irrigation & Drainage Engineer

Flood Risk & River Engineering Specialist

Environmental & Sustainability Roles

Environmental Engineer (Water Systems)

Climate Adaptation & Resilience Specialist

Sustainability Consultant (Water Sector)

Public Sector & Global Organizations

Water Infrastructure Engineer

River Basin Management Specialist

Roles in government agencies & water authorities

Technology, Data & Modelling

Hydrological Modelling

Engineer

GIS & Remote Sensing Analyst

Water Data Analyst

Research, Academia & Leadership

Research Engineer / Research Assistant

PhD in WRDM / Hydrology / Water Engineering

Academic or Policy Researcher

Entrepreneurship & Consulting

Water Management Consultant

Irrigation & Water-Tech Startup

Founder

Environmental Consultancy

Entrepreneur



M. Tech

Characteristics:

Advanced postgraduate specialisation in analysis, design and behaviour of structures.

Builds on B. Tech Civil Engineering fundamentals.

Strong emphasis on advanced structural analysis & design.

Focus on earthquake-resistant & wind-resistant structures.

Integration of theory, simulation and real-world case studies.

Extensive use of advanced structural software.

Exposure to international design codes & standards.

Research and project-oriented curriculum.

Prepares graduates for senior design, consultancy, R&D roles.

Career Opportunities:

Design & Analysis Roles

Structural Design Engineer

Bridge / High-Rise Structure Engineer

Structural Analyst

Consultancy & Infrastructure Firms

Structural Engineering Consultant

Infrastructure Design Specialist

Project Design Engineer

Infrastructure & Specialized Roles

Smart Infrastructure Engineer

Transportation & Urban Infrastructure Engineer

Specialised Structural Roles

Earthquake - Resistant Design Specialist

Retrofitting & Rehabilitation Engineer

Technology & Simulation

Computational Structural Engineer

Structural Modelling Engineer

**STRUCTURAL
ENGINEERING**

Leadership & Global Practice

Senior Structural Engineer

Technical Lead / Design Manager

International Engineering Consultant



MECHANICAL ENGINEERING

B. Tech - ME / B. Tech (Lateral Entry) ME

Characteristics:

Broad and versatile undergraduate engineering discipline.
Strong foundation in mathematics, physics and engineering mechanics.
Focus on design, manufacturing, thermal systems and machines.
Balanced mix of theory, laboratory work and hands-on projects.
Develops problem-solving, analytical and practical skills.
Exposure to CAD/CAM, simulations and prototyping.
Integration with automation, robotics and Industry 4.0.
Applicable across multiple global industries.
Strong base for higher studies and professional certifications.

Career Opportunities:

Design & Analysis

Mechanical Design Engineer
CAD / CAE Engineer
Product Design Engineer
Simulation / Analysis Engineer

Manufacturing & Production

Manufacturing Engineer
Production Engineer
Quality & Process Engineer
Industrial Engineer

Automotive, Aerospace & Energy

Automotive Engineer
Aerospace Engineer
Power & Energy Engineer
Renewable Energy Engineer

Maintenance, Operations & Field Roles

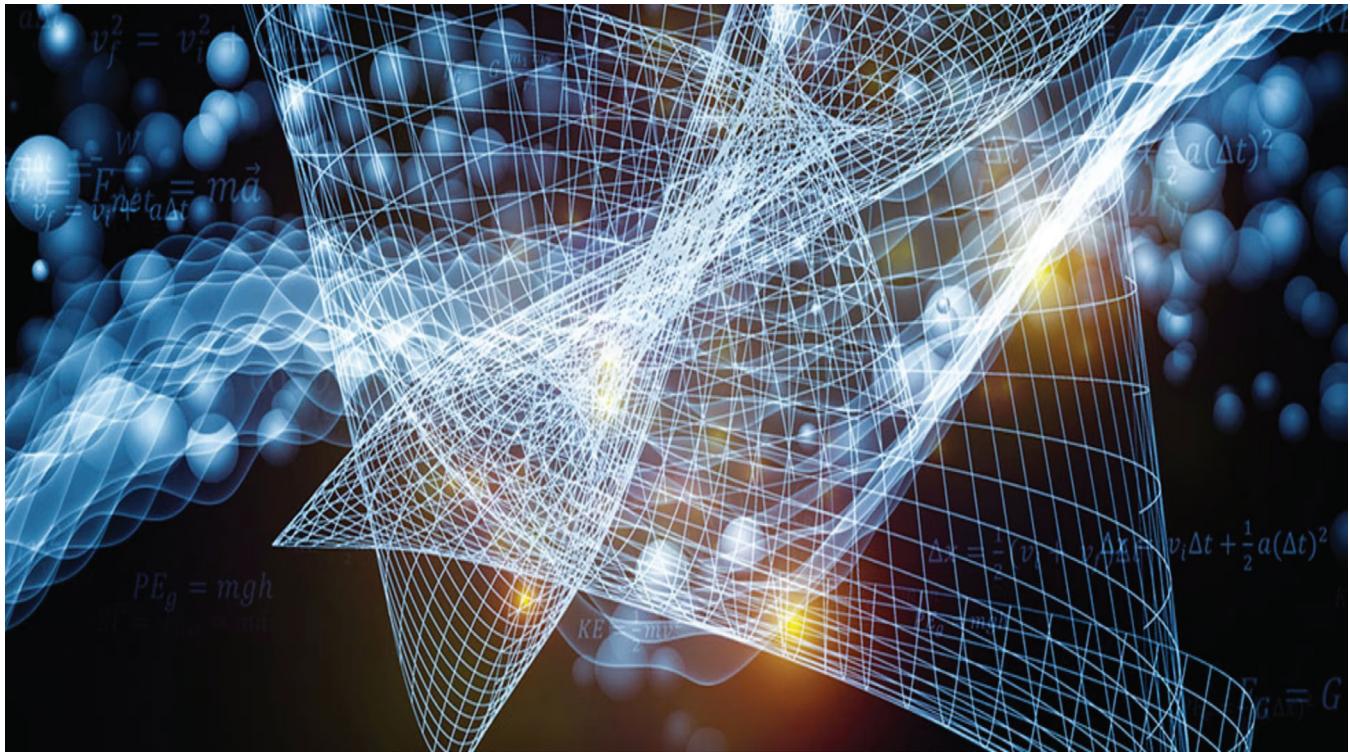
Maintenance Engineer
Reliability Engineer
Operations Engineer

Higher Studies, Research & Leadership

MS / M.Tech / MBA / Ph.D.
Research Assistant
Engineering Manager
Technical Consultant

Entrepreneurship & Global Careers

Manufacturing Startup Founder
Product Development Entrepreneur
International Engineering Consultant



Royal School of Applied & Pure Sciences

M. Sc. - Physics

Characteristics:

Advanced postgraduate program focused on theoretical and experimental physics. Strong emphasis on physical phenomena, analytical thinking and problem-solving. In-depth study of fundamental laws of nature and mathematics. Balance of theory, laboratory work, simulations and research. Exposure to advanced instruments, experiments and computational methods. Encourages research, innovation and scientific inquiry. Develops skills applicable across academia, research and technology sectors. Provides a strong foundation for Ph.D., R&D and interdisciplinary careers. Globally respected degree with wide academic recognition.

PHYSICS

Career Opportunities:

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Physics or related fields
Lecturer / Professor (after Ph.D.)

Industry & Specialized Sectors

Semiconductor & Electronics Industry
Aerospace & Defense Research
Energy & Renewable Technologies

Technology & Applied Physics

Scientific Officer
R&D Engineer
Applied Physicist
Instrumentation Engineer

Government & International Organisations

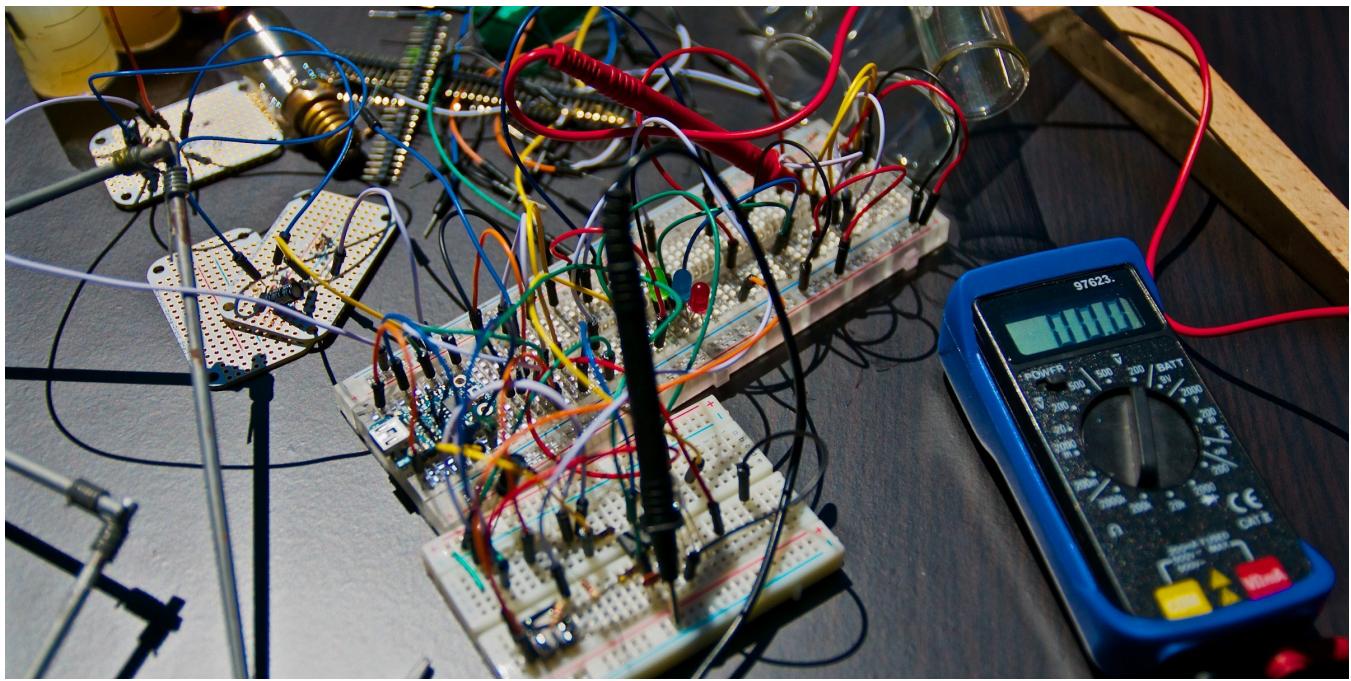
Roles in space agencies, national labs and research institutes
Opportunities with international research collaborations

Data, Computing & Interdisciplinary Roles

Data Analyst / Scientific Data Analyst
Computational Scientist
Quantitative Analyst

Education, Consulting & Science Communication

Physics Educator
Science Consultant
Science Writer / Communicator



B. Sc. – Physics

Characteristics:

Undergraduate programme focused on fundamental principles of physics.
Strong emphasis on conceptual understanding, physics and problem-solving.
Introduction to theoretical, experimental and applied physics.
Combination of classroom learning, laboratory experiments and practical training.
Develops analytical thinking and scientific reasoning.
Builds a strong foundation for higher studies and interdisciplinary fields.
Encourages curiosity, innovation and logical analysis.
Globally recognised degree with academic and career relevance.

Career Opportunities:

Higher Education & Research Pathways

M.Sc in Physics or related disciplines
Integrated MS / PhD programmes
Interdisciplinary Master's in Materials,
Electronics, Data Science or Engineering

Science, Technology & Industry

Laboratory Assistant / Technician
Junior Research Assistant
Quality Control Analyst
Technical Assistant

Technology & IT

Data Analyst
Software / Technical Support Engineer
Scientific Programmer

Electronics, Energy & Applied Sectors

Electronics & Instrumentation Technician
Renewable Energy Technician
Manufacturing & Process Industries

PHYSICS

Education & Communication

Researcher, Academician
Science Content Developer
STEM Educator

Government & International Opportunities

Roles in government laboratories and research organisations
Entry-level positions in scientific services and public sector units



M. Sc. – Chemistry

Characteristics:

Advanced postgraduate programme focused on theoretical and experimental chemistry.
Strong emphasis on analytical thinking, laboratory skills and scientific research.
In-depth study of chemical reactions, materials and molecular behaviour.
Balanced approach combining theory, lab work, instrumentation and research.
Exposure to advanced analytical instruments and techniques.
Encourages innovation, experimentation and problem-solving.
Provides a strong foundation for Ph.D., R&D and interdisciplinary careers.
Globally recognised degree with relevance across industries.

Career Opportunities:

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Chemistry or related fields

Chemical, Pharma & Healthcare Industries

Chemist / Senior Chemist
Pharmaceutical Scientist
Quality Control (QC) / Quality Assurance (QA)
Analyst

Materials, Energy & Advanced Technologies

Materials Scientist
Polymer & Nanomaterials Researcher
Energy & Battery Technology Specialist

Analytical, Testing & Instrumentation

Analytical Chemist
Laboratory Manager
Spectroscopy & Instrumentation Specialist

Environmental & Sustainability Roles

Environmental Chemist
Green Chemistry Consultant
Water & Pollution Control Analyst

CHEMISTRY

Food, Cosmetics & Consumer Products

Food Quality Analyst
Cosmetic Chemist
Product Formulation Scientist

Government, Policy & International Organisations

Scientific Officer in government labs
Roles in regulatory bodies & research institutes

Entrepreneurship & Science Communication

Chemical Consultancy Founder
Laboratory Services Entrepreneur
Science Writer / Educator



B.Sc. – Chemistry

Characteristics:

Undergraduate programme focused on core principles of chemistry.
Strong foundation in theoretical concepts and laboratory practices.
Balanced exposure to organic, inorganic and physical chemistry.
Emphasis on analytical thinking, experimentation and safety.
Develops practical skills through hands-on laboratory work.
Builds readiness for higher studies and applied industry roles.
Encourages scientific curiosity and systematic problem-solving.
Globally recognised degree with wide academic acceptance.

Career Opportunities:

Higher Education & Research Pathways

M.Sc in Chemistry or related specialisations
Integrated MS / PhD programmes
Master's in Materials Science, Pharmaceutical Sciences, or Chemical Engineering

Chemical, Pharma & Healthcare Industries

Laboratory Assistant / Junior Chemist
Quality Control (QC) Analyst
Quality Assurance (QA) Executive
Production & Process Assistant

Food, Cosmetics & Consumer Products

Food Quality Analyst
Cosmetic & Personal Care Lab Assistant
Product Testing Executive

Environmental & Sustainability Roles

Environmental Laboratory Technician
Water Quality Analyst
Pollution Control Assistant

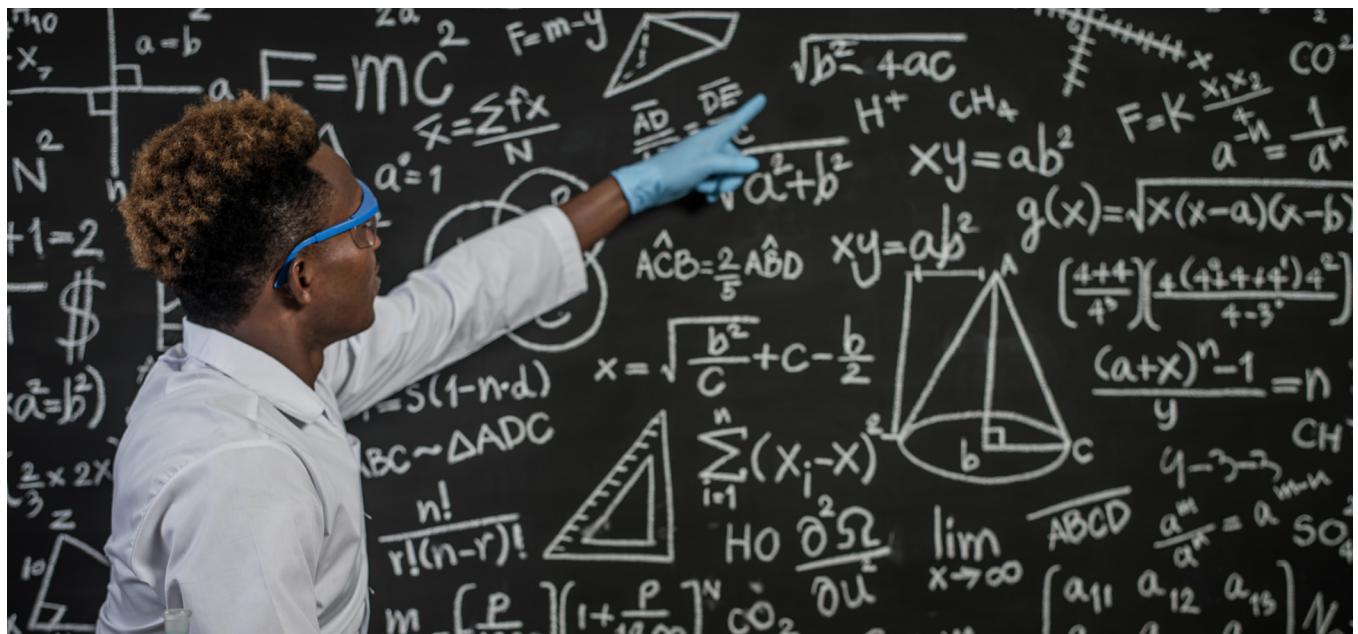
CHEMISTRY

Education & Science Communication

Chemistry Teacher (with teaching qualification)
Science Content Developer
Laboratory Instructor

Government & Public Sector

Entry-level roles in government laboratories
Scientific Assistant positions in public sector units



M. Sc. – Mathematics

Characteristics:

Advanced postgraduate programme focused on pure and applied mathematics. Strong emphasis on logical reasoning, abstraction and problem-solving. In-depth study of theoretical concepts and mathematical modelling. Balance of proof-based theory, applications and computation. Builds strong analytical skills valued across industries. Exposure to advanced computational and statistical methods. Encourages research, innovation and interdisciplinary thinking. Provides a solid foundation for Ph.D., R&D and data-intensive careers. Globally respected degree with wide academic recognition.

MATHEMATICS

Career Opportunities:

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Mathematics or related fields

Data, Analytics & Technology

Data Analyst
Data Scientist
Machine Learning / AI Specialist

Finance, Economics & Actuarial Science

Actuary
Risk Analyst
Financial Modelling Specialist

Technology, Software & Computing

Algorithm Engineer
Software Developer
Cryptography & Security Analysts

Operations, Logistics & Industry

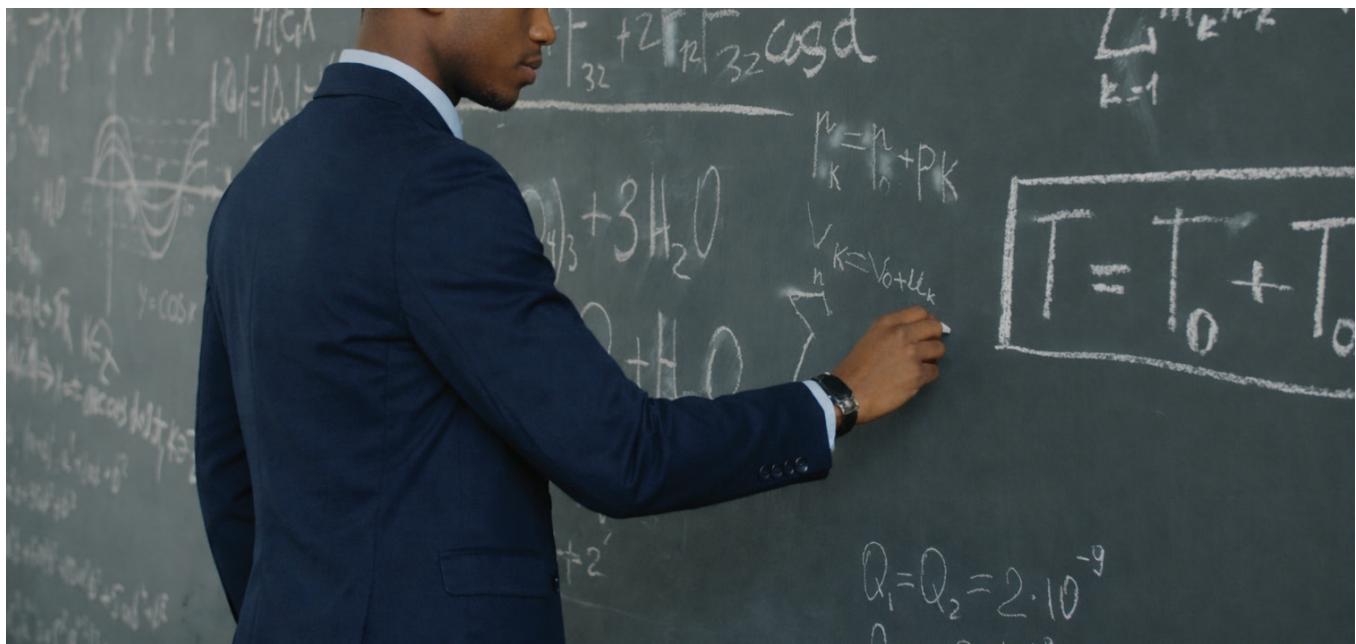
Operations Research Analyst
Supply Chain & Optimisation Specialist

Government, Education & Policy

Scientific Officer
Mathematics Educator
Roles in statistical & planning departments

Entrepreneurship & Consulting

Analytics Consultant
EdTech Founder
Independent Research Consultant



B. Sc. – Mathematics

Characteristics:

Undergraduate programme focused on pure and applied mathematics. Builds strong foundations in logical reasoning, problem-solving and analytical thinking. Emphasises theoretical concepts along with practical applications. Develops skills in mathematical modelling, abstraction and quantitative analysis. Supports interdisciplinary learning with computer science, physics, economics and data science. Prepares students for higher studies, research, and quantitative careers. Internationally recognised degree with wide academic and professional relevance.

Career Opportunities:

Higher Education & Research Pathways

M.Sc. in Mathematics
M.Sc. in Mathematics & Computing
Master's in Data Science, AI, Statistics, Economics or Finance
Ph.D. programmes

Data, Analytics & Technology

Data Analyst
Business Analyst
Junior Data Scientist
Machine Learning Associate

Technology & IT

Software Developer
Algorithm Analyst
Cryptography & Security Associate

Finance, Banking & Actuarial Fields

Actuarial Analyst
Risk & Credit Analyst
Financial Modelling Executive

Operations, Logistics & Industry

Operations Research Analyst
Supply Chain & Optimisation Assistant

Education & Communication

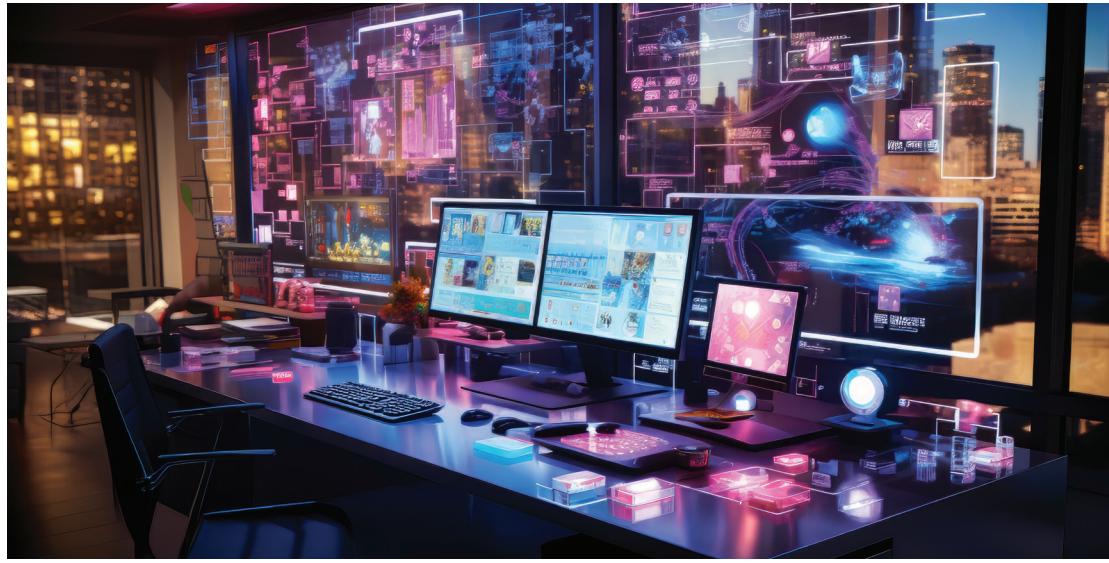
Mathematics Teacher (with teaching qualification)
Academic Tutor
EdTech Content Developer

Government & Public Sector

Statistical Assistant
Research Assistant in planning & analytics departments

MATHEMATICS

COMPUTER APPLICATIONS



MCA

Characteristics:

Postgraduate programme focused on advanced computer applications, web and software development.

Designed for graduates from BCA, B.Sc (CS/IT/Maths) or related backgrounds.

Strong emphasis on computer programming, system design and application development.

Industry-oriented curriculum with projects, internships, and case studies.

Covers both theoretical concepts and real-world IT applications.

Develops strong problem-solving, analytical and technical skills.

Provides a path to IT industry through well designed academic curriculum.

Globally relevant degree with strong demand in the IT sector.

Royal School of Information Technology

Career Opportunities:

Software Development & Engineering

Software Engineer / Application Developer

Full-Stack Developer

Mobile Application Developer

Data, AI & Emerging Technologies

Data Analyst / Data Engineer

AI / ML Engineer

Business Intelligence Analyst

Cloud, DevOps & Infrastructure

Cloud Engineer

DevOps Engineer

System Administrator

Cybersecurity & Quality Roles

Cyber Security Analyst

Software Tester / QA Engineer

Enterprise & Business Technology

ERP Consultant (SAP, Oracle)

IT Business Analyst

Higher Education & Research

Ph.D. (Computer Science / IT), (M. Tech - CSE / IT)
MS in specialised fields (AI, Data Science, Cyber Security)

Entrepreneurship & Freelancing

Tech Startup Founder

Independent Software Consultant

Freelance Developer

COMPUTER APPLICATIONS



BCA

Characteristics:

Undergraduate programme focused on computer applications and software development.

Strong foundation in programming, databases and computer systems.

Practical, industry-oriented curriculum with hands-on projects.

Emphasis on problem-solving, logical thinking and coding skills.

Exposure to modern technologies and application development.

Builds readiness for IT industry roles and higher studies.

Less hardware-heavy than engineering; more application-focused.

Globally recognised degree with growing international demand.

Career Opportunities:

IT & Software Development

Software Developer / Junior Programmer

Web Developer / Full-Stack Developer

Mobile App Developer

Application Support Engineer

Data Analytics & Emerging Tech

Data Analyst

Business Intelligence Analyst

AI / ML Associate

Cloud Computing Associate

IT Infrastructure & Support

System Administrator

Network Support Engineer

Technical Support Specialist

Cybersecurity & Quality Roles

Cybersecurity Expert

Software Tester

Higher Education Pathways

MCA (Master of Computer Applications)

M.Sc in Computer Science / IT

MBA (Technology / IT Management)

International Master's in Data Science, AI or Software Engineering

Entrepreneurship & Freelancing

Freelance Developer

Startup Founder (Tech-based)

Digital Solutions Consultant

INFORMATION TECHNOLOGY



M. Sc. – Information Technology (IT)

Characteristics:

Postgraduate programme focused on advanced information technology concepts
Designed for graduates from B.Sc IT, BCA, Computer Science or related backgrounds
Strong balance of theoretical knowledge and practical, industry-oriented skills
Emphasis on software systems, data management, networks and emerging technologies
Develops advanced analytical, problem-solving and system design skills
Includes projects, internships and research components
Prepares students for specialised IT roles and doctoral studies

Career Opportunities:

Software & Systems Development

Software Engineer / Application Developer
Full-Stack Developer
Systems Analyst

Data, AI & Emerging Technologies

Data Analyst / Data Engineer
AI / ML Engineer
Business Intelligence Analyst

Cloud, DevOps & Infrastructure

Cloud Engineer
DevOps Engineer
Network & Systems Administrator

Cyber Security & IT Risk

Cyber Security Analyst
Information Security Consultant
IT Risk & Compliance Analyst

Enterprise IT & Consulting

ERP / CRM Consultant
IT Business Analyst
Technology Consultant

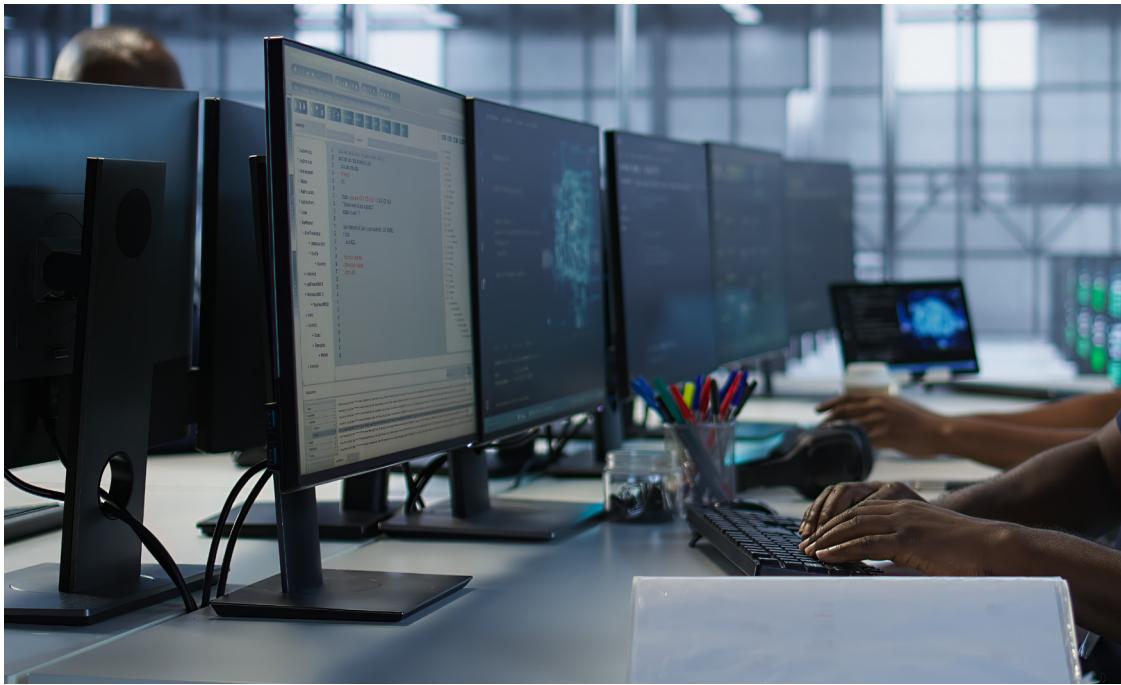
Research & Higher Education

Ph.D. in IT / Computer Science
Research Scientist / Research Assistant

Entrepreneurship & Freelancing

Tech Startup Founder
Independent IT Consultant
Freelance Software Developer

INFORMATION TECHNOLOGY



B.Sc. (H) – IT

Characteristics:

Undergraduate IT honours programme with deeper focus.
Strong emphasis on information technology, computing systems and applications.
Emphasise on theory, practical labs and project-based learning.
Focus on software, networking, databases and IT services.
Develops technical, analytical and problem-solving skills.
Industry-oriented curriculum aligned with current IT trends.
Prepares students for professional IT roles and postgraduate studies.
Globally recognised degree with strong employability potential.

Career Opportunities:

Software & Application Development

Software Developer
Web / Full-Stack Developer
Mobile Application Developer

IT Infrastructure & Cloud

System Administrator
Cloud Support Engineer
Network Engineer

Data, Analytics & Emerging Tech

Data Analyst
Business Intelligence Analyst
AI / ML Associate

Cybersecurity & Quality Roles

Cyber Security Expert
Information Security Executive
Software Tester / QA Analyst

Enterprise IT & Consulting

IT Business Analyst
ERP / CRM Consultant

Higher Education Pathways

MCA
M.Sc IT / Computer Science
MS in specialised fields (Data Science, AI, Cyber Security)
MBA (IT / Technology Management)

Entrepreneurship & Freelancing

Freelance Developer
IT Services Startup Founder
Technology Consultant



Royal School of Life Sciences

M. Sc. - Botany

Characteristics:

Postgraduate programme focused on advanced plant sciences and research. Strong emphasis on theoretical knowledge, laboratory work and field research. In-depth study of plant structure, function, growth and diversity integrating classical botany with modern biological techniques. Develops skills in research methodology, data analysis and scientific writing. Encourages environmental awareness, sustainability and biodiversity conservation. Provides a strong foundation for Ph.D., research and applied biological careers. Globally recognised degree with relevance in academic and applied sectors.

BOTANY

Career Opportunities:

Research & Academia

Research Fellow / Research Scientist
Ph.D. in Botany, Plant Science or allied fields

Agriculture, Horticulture & Plant Breeding

Plant Breeder (with specialisation)
Agronomist
Horticulture Specialist
Soil Scientist

Biotechnology & Life Sciences

Biotechnologist
Laboratory Analyst
Tissue Culture Specialist

Environmental & Conservation Fields

Environmental Scientist
Conservation Biologist & Project Coordinator
Biodiversity Officer

Forestry, Ecology & Natural Resources

Forest Research Officer
Ecological Survey Specialist

Pharmaceuticals, Herbal & Allied Industries

Medicinal Plant Researcher
Herbal Product Quality Analyst

Government & International Organisations

Roles in research institutes, botanical surveys and environmental agencies
Opportunities with international NGOs and sustainability projects

Education, Communication & Consulting

Botany Educator
Science Communicator
Environmental Consultant



B. Sc. (H) – Botany

Characteristics:

Undergraduate programme focuses on plant sciences fundamentals and research.

Emphasis is laid on theory, laboratory work and field studies.

The curriculum includes studies on plant structure, growth, reproduction and classification.

The course develops skills in observation, experimentation and scientific analysis.

Inclusions of ecology, environmental science and biodiversity concepts.

Builds a solid foundation for higher studies and applied biological careers.

Globally recognised degree with academic and professional relevance.

Career Opportunities:

Higher Education & Research Pathways

M.Sc. in Botany, Plant Science or allied fields

Interdisciplinary Master's in Biotechnology,

Microbiology, Environmental Science and

Agriculture

Agriculture, Horticulture & Plant Sciences

Agricultural Assistant

Horticulture Technician

Plant Nursery & Greenhouse Supervisor

Biotechnology & Laboratory Roles

Laboratory Technician

Tissue Culture Expert

Quality Control Executive

Medical, Health & Allied Fields

Medical Laboratory Scientist

Immunology & Pathology Assistant

Public Health Research Associate

Environmental & Conservation Sectors

Environmental Field Officer

Biodiversity Survey Assistant

Ecological Project Coordinator

GHG emission & mitigation expert

BOTANY

Forestry & Allied Fields

Forest Survey Assistant

Plantation Management Assistant

Education & Science Communication

Botany Teacher (with teaching qualification)

Science Content Developer

Laboratory Assistant (Academic)

Government & Public Sector

Entry-level roles in botanical surveys and research institutes

Positions in environmental and agricultural departments

Agriculture Extension Officer



M. Sc. – Zoology

Characteristics:

Postgraduate programme focused on advanced animal sciences.
 Strong emphasis on theoretical knowledge, laboratory research, and field studies.
 In-depth study of animal anatomy, physiology, behaviour and evolution.
 Integrates classical zoology with modern biological techniques.
 Develops skills in research methodology, data analysis and scientific writing.
 Encourages ethical research, biodiversity conservation and environmental awareness.
 Provides a strong foundation for Ph.D., research and applied life-science careers.
 Globally recognised degree with relevance across academic and applied sectors.

Career Opportunities:

Research & Academia

Research Assistant / Research Scientist
 Ph.D. in Zoology, Life Sciences or related fields

Wildlife, Ecology & Conservation

Wildlife Biologist
 Conservation Scientist
 Biodiversity & Environmental Officer

Biotechnology & Life Sciences

Biotechnologist
 Laboratory Analyst
 Clinical Research Associate

Medical, Health & Allied Fields

Medical Laboratory Scientist
 Immunology & Pathology Assistant
 Public Health Research Associate

Fisheries, Aquaculture & Marine Biology

Fisheries Scientist
 Aquaculture Specialist
 Marine Biology Research Assistant

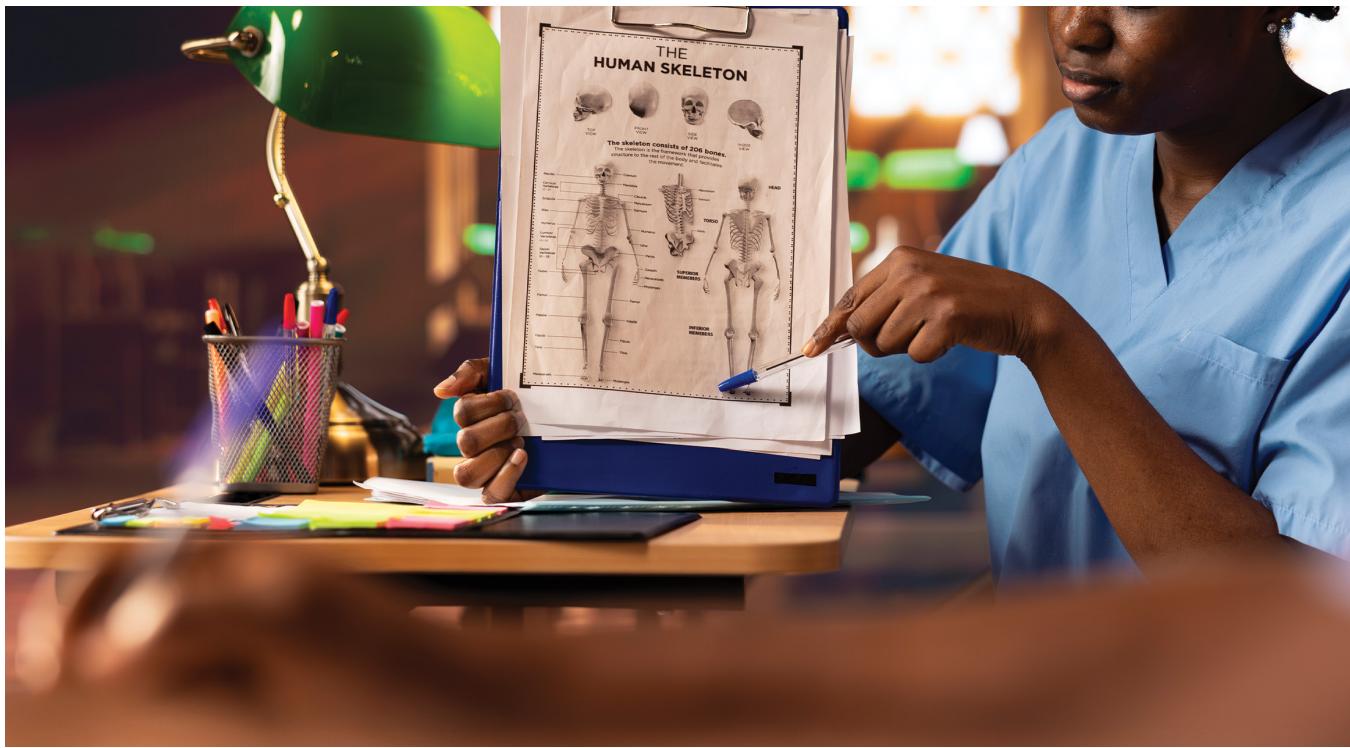
ZOOLOGY

Government & International Organisations

Roles in research institutes, wildlife departments and Zoological Surveys
 Opportunities with international NGOs and conservation agencies

Education, Communication & Consulting

Zoology Educator
 Science Communicator / Writer
 Environmental & Biological Consultant



B. Sc. (H) – Zoology

Characteristics:

Undergraduate programme focused on animal taxonomy, biology and life sciences.
Strong emphasis on theoretical learning, laboratory work and field studies.
Study of animal anatomy, physiology, development and diversity.
Develops skills in scientific observation, experimentation and analysis.
Introduces ecology, evolution and environmental biology.
Builds a solid foundation for higher studies and applied biological careers.
Encourages ethical research and biodiversity awareness.
Globally recognised degree with academic and professional relevance.

ZOOLOGY

Career Opportunities:

Higher Education & Research Pathways

M.Sc in Zoology, Life Sciences, or related fields
Interdisciplinary Master's in Biotechnology,
Environmental Science, Wildlife Biology, Wildlife
Forensic Science

Healthcare, Laboratory & Life Sciences

Laboratory Technician
Clinical Research Assistant
Quality Control Lab Assistant
Animal House Technician

Wildlife, Ecology & Conservation

Wildlife Field Assistant
Conservation Project Assistant
Biodiversity Survey Assistant

Fisheries, Aquaculture & Marine Studies

Fisheries Technician
Aquaculture Assistant

Education & Science Communication

Zoology Teacher (with teaching qualification)
Science Content Developer
Laboratory Assistant (Academic)

Government & Public Sector

Entry-level roles in Zoological Surveys and
research institutes
Positions in environmental, fisheries and
wildlife departments
Civil Services (IFS)



M. Sc. – Forensic Science

Characteristics:

Postgraduate programme focused on scientific investigation and criminal analysis.

Integrates biology, chemistry, physics and law enforcement science.

Strong emphasis on laboratory analysis, evidence handling and crime scene investigation.

Develops skills in analytical reasoning, precision and ethical practice.

Hands-on training with forensic tools, instruments and case studies.

Encourages critical thinking and attention to detail.

Prepares students for professional forensic practice and research.

Globally recognised degree with applications in justice and security sectors.

Career Opportunities:

Forensic & Law Enforcement Services

Forensic Scientist

Crime Scene Investigator

Forensic Analyst

Digital & Cyber Forensics

Digital Forensics Analyst

Cyber Crime Investigator

Medical & Laboratory Services

Forensic Laboratory Analyst

Toxicology Analyst

Government & Security Agencies

Roles in forensic laboratories, police departments and investigative agencies

Opportunities with border security and intelligence units

Research & Academia

Research Assistant / Research Scientist

Ph.D. in Forensic Science or related disciplines

FORENSIC SCIENCE

Private Sector & Consulting

Private Forensic Consultant

Insurance & Fraud Investigation Analyst



B. Sc. (H) – Forensic Science

Characteristics:

Undergraduate honours programme focused on scientific investigation and forensic analysis.

Integrates biology, chemistry, physics and criminal justice.

Strong emphasis on laboratory skills, evidence handling and crime scene methods.

Develops analytical thinking, precision and ethical responsibility.

Hands-on exposure to forensic tools, instruments and case studies.

Covers both traditional and digital forensic techniques.

Prepares students for professional roles and advanced studies.

Globally relevant degree aligned with justice and security sectors.

Career Opportunities:

Forensic & Investigation Services

Forensic Analyst (entry-level)

Crime Scene Assistant

Forensic Laboratory Technician

Digital & Cyber Forensics

Digital Forensics Assistant

Cyber Crime Investigation Support

Healthcare & Laboratory Services

Toxicology Lab Assistant

Forensic Biology Technician

Government & Public Sector

Roles in forensic laboratories, police departments, and investigative agencies

Positions in border security and forensic units

Private Sector & Consulting

Private Forensic Labs

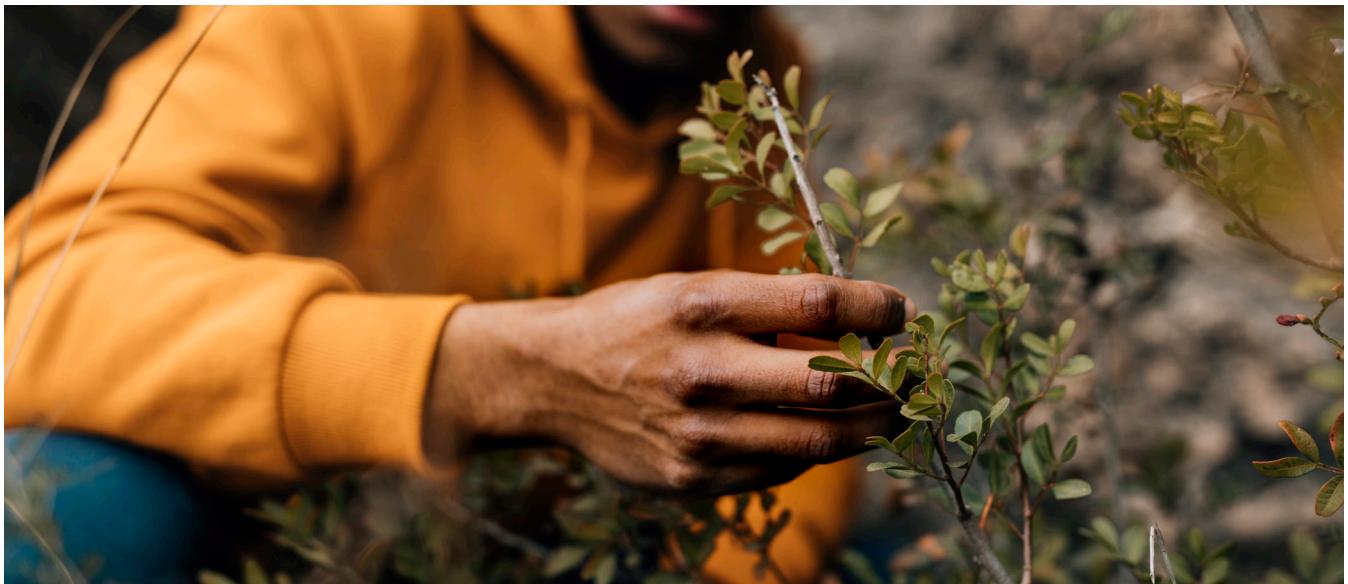
Insurance & Fraud Investigation Assistant

Higher Education Pathways

M.Sc. in Forensic Science

Master's in Criminology, Cyber Security, or Digital Forensics

FORENSIC SCIENCE



M. Sc. – Forestry

Characteristics:

Postgraduate programme focused on forest ecosystems, conservation and sustainable management.

Integrates biological sciences, environmental science and natural resource management.

Strong emphasis on fieldwork, laboratory studies and applied research.

Develops skills in ecology, biodiversity assessment and environmental policy.

Encourages sustainable development and climate resilience thinking.

Exposure to GIS, remote sensing and forest inventory techniques.

Prepares students for research, conservation and policy-driven careers.

Globally recognised degree relevant to environmental and sustainability sectors.

Career Opportunities:

Forestry, Conservation & Environmental Management

Forest Officer / Forest Scientist / Forest Consultant
Conservation Biologist
Environmental & Sustainability Manager / Forest Manager

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Forestry, Environmental Science, or related fields

Wildlife, Ecology & Natural Resource Sectors

Wildlife Conservation Specialist
Habitat Restoration Expert
Ecological Survey Consultant

Climate Change, Carbon & Sustainability

Climate Change Analyst
Carbon Sequestration & Climate Policy Specialist
ESG & Sustainability Consultant

GIS, Remote Sensing & Environmental Technology

GIS & Remote Sensing Analyst
Environmental Data Analyst

Government, NGOs & International Organisations

Roles in forest departments, research institutes, and environmental agencies
Opportunities with international NGOs, UN bodies, and conservation projects

Industry & Consulting

Environmental Impact Assessment (EIA) Consultant
Forestry & Natural Resource Consultant

FORESTRY



B. Sc. (H) - Forestry

Characteristics:

Undergraduate honours programme focused on forest science, ecology and sustainable resource management.

Integrates biology, environmental science and earth sciences.

Strong emphasis on fieldwork, laboratory studies and practical training.

Develops skills in ecosystem analysis, conservation planning and data collection.

Exposure to forest management practices, GIS and remote sensing.

Encourages sustainability, biodiversity conservation and climate awareness.

Builds a strong foundation for professional forestry roles and higher studies.

Globally relevant degree aligned with environmental and sustainability sectors.

Career Opportunities:

Forestry & Natural Resource Management

Forest Field Assistant / Range Officer /
Plantation Manager
Junior Forest Officer / Eco-Tourism Project Staff
Plantation & Forest Operations Supervisor /
Nursery Manager

Environmental & Conservation Sectors

Conservation Project Assistant
Environmental Field Officer
Biodiversity Survey Assistant

Wildlife, Ecology & Sustainability

Wildlife Conservation Assistant
Habitat Restoration Technician

GIS, Remote Sensing & Environmental Technology

GIS & Environmental Data Assistant
Remote Sensing Technician

FORESTRY

Government, NGOs & International Organisations

Roles in forest departments, environmental agencies and NGOs
Participation in international conservation and climate projects

Higher Education Pathways

M.Sc. in Forestry, Environmental Science or Wildlife Biology
Master's in Climate Change, Sustainability or Natural Resource Management



Royal School of Bio Sciences

M.Sc. - Biotechnology

Characteristics:

Postgraduate programme focused on advanced biological sciences and biotechnological applications.
Integrates biology, chemistry, genetics and computational tools.
Strong emphasis on laboratory research, experimentation and innovation
Exposure to extant biotech techniques and instrumentation.
Hands-on skill development in molecular biology, data analysis and research methodology.
Fostering interdisciplinary research and problem-solving to ensure smooth transition to research, industry and higher academic pathways.
Globally recognised degree with strong relevance in life science sectors.

Career Opportunities:

Research & Academia

Research Associate / Research Scientist
Ph.D. in Biotechnology, Life Sciences or related fields

Biotechnology, Pharma & Healthcare

Biotechnologist
Clinical Research Associate (with training)
Quality Control (QC) / Quality Assurance (QA) Scientist
Biomedical Scientist

Bioinformatics & Data-Driven Roles

Bioinformatics Analyst
Computational Biology Specialist

Industrial & Applied Biotechnology

Bioprocess Engineer
Fermentation Technologist
Industrial Microbiologist

Agricultural & Environmental Biotechnology

Agricultural Biotechnologist
Environmental Biotechnology Specialist

Regulatory, Consulting & Business Roles

Regulatory Affairs Specialist
Scientific Consultant
Biotech Product & Sales Specialist

BIOTECHNOLOGY



B. Sc. (H) – Biotechnology

Characteristics:

Honours undergraduate programme with in-depth focus on biological sciences and biotechnology.

Strong foundation in biology, chemistry, genetics and molecular sciences.

Early exposure to laboratory work, research methods and biotechnology tools.

Integrates theory with practical experiments and project-based learning.

Builds skills in scientific thinking, data analysis and laboratory techniques.

Encourages innovation, ethics and interdisciplinary learning.

Prepares students for higher studies, research and entry-level biotech roles.

Internationally relevant curriculum aligned with global life science standards.

Career Opportunities:

Entry-Level Industry & Laboratory Roles

Laboratory Technician / Lab Assistant

Junior Biotechnologist

Quality Control (QC) Trainee

Research Assistant

Biotechnology, Pharma & Healthcare

Biotech Production Executive (Entry-level)

Clinical Trial Assistant

Biomedical Laboratory Support Roles

Agriculture, Environment & Applied Sciences

Agricultural Biotechnology Assistant

Environmental Biotechnology Technician

Further Studies & Research Pathways

M.Sc in Biotechnology, Microbiology,

Bioinformatics or related fields

M.Tech / M.Sc in specialised biotech disciplines

**BIO
TECHNOLOGY**



M. Sc. – Microbiology

Characteristics:

Postgraduate programme focused on microorganisms and their applications.
In-depth study of bacteria, viruses, fungi and parasites.
Strong emphasis on laboratory techniques, culturing and molecular methods.
Integrates medical, industrial, agricultural and environmental microbiology.
Develops skills in research design, biosafety and data analysis.
Exposure to modern diagnostic and molecular tools.
Encourages critical thinking, precision and ethical laboratory practice.
Globally recognised degree with strong relevance across life science sectors.

Career Opportunities:

Healthcare, Diagnostics & Medical Labs

Microbiologist
Clinical Laboratory Scientist
Diagnostic Lab Analyst

Pharmaceuticals & Biotechnology

Quality Control (QC) / Quality Assurance (QA)
Microbiologist
Research Associate
Biopharmaceutical Scientist

Food, Dairy & Industrial Microbiology

Food Safety & Quality Control Officer
Fermentation Technologist
Industrial Microbiologist

Environmental & Public Health

Environmental Microbiologist
Water & Wastewater Microbiology Analyst
Public Health Laboratory Officer

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Microbiology or Life Sciences

Government & International Organisations

Roles in public health labs, research institutes,
Medical Colleges and regulatory agencies
Opportunities with WHO-linked projects,
NGOs and global health programmes

MICROBIOLOGY



B. Sc. (H) – Microbiology

Characteristics:

Honours undergraduate programme offering in-depth study of microorganisms. Strong foundation in biology and microbiological sciences. Emphasis on laboratory-based learning and practical skills. Early exposure to medical, industrial, food and environmental microbiology. Develops skills in aseptic techniques, microbial analysis and lab safety. Encourages scientific thinking, ethics, and research orientation. Prepares students for higher studies, research and entry-level lab roles.

Career Opportunities:

Laboratory & Industry Roles

Laboratory Technician / Microbiology Assistant
Junior Microbiologist
Quality Control (QC) Officer
Laboratory Analyst
Microbiologist in State & Central Organization

Healthcare & Diagnostics

Diagnostic Lab Assistant
Infection Control Support Staff

Food, Dairy & Beverage Industry

Food Microbiology Technician
Quality & Safety Officer

Environmental & Agricultural Sectors

Environmental Microbiology Technician
Agricultural / Soil Microbiology Assistant

MICROBIOLOGY

Higher Studies & Research Pathways

M.Sc in Microbiology, Biotechnology, Food Science, or related fields
Integrated Ph.D. / Ph.D. after postgraduate studies
Specialisation in medical, industrial or environmental microbiology

FOOD SCIENCE & TECHNOLOGY



M. Sc. – Food Science & Technology

Characteristics:

Postgraduate programme focused on food production, safety, quality and innovation. Integrates chemistry, microbiology, nutrition and engineering principles. Strong emphasis on food processing, preservation and quality control. Hands-on training with laboratory analysis and pilot plant operations. Develops skills in product development, food safety systems and regulatory compliance. Exposure to modern food technologies and packaging. Encourages innovation, sustainability and consumer safety. Globally recognised degree with strong industry relevance.

Career Opportunities:

Food & Beverage Industry

Food Technologist
Product Development Scientist
Quality Assurance (QA) / Quality Control (QC) Officer

Food Safety & Regulatory Affairs

Food Safety Officer
Regulatory Affairs Executive
Compliance & Standards Analyst

Nutrition, Health & Consumer Products

Nutrition Analyst
Functional Food & Health Product Specialist

Processing, Manufacturing & Operations

Food Processing Expert / Supervisor
Production & Operations Manager

Research & Academia

Research Assistant / Research Scientist
Ph.D. in Food Science, Food Technology, Nutrition or related fields

Testing, Certification & Consulting

Food Testing Laboratory Analyst
Food Quality & Safety Consultant

Entrepreneurship

Food Processing Startup Founder
Ready-to-Eat / Value-Added Food Entrepreneur

FOOD SCIENCE & TECHNOLOGY



B. Sc. - Food Science & Technology

Characteristics:

Undergraduate programme focused on the science and technology of food. Strong foundation in food chemistry, microbiology, nutrition and processing. Emphasis on practical laboratory work and pilot-scale food processing. Integrates science, engineering and quality management principles. Develops skills in food safety, hygiene and quality assurance. Encourages innovation in food product development and sustainability. Prepares students for industry roles or higher studies. Curriculum aligned with global food industry standards.

Career Opportunities:

Food & Beverage Industry

Food Technologist (Trainee / Junior)
Quality Control (QC) / Quality Assurance (QA)
Assistant
Production & Processing Supervisor

Food Safety & Regulatory Sector

Food Safety & Hygiene Officer (Junior level)
Regulatory Compliance Assistant

Nutrition, Retail & Consumer Goods

Nutrition Assistant
Food Product Testing Executive

Research & Laboratory Roles

Food Laboratory Analyst
Research Assistant

Entrepreneurship

Small-scale Food Processing Entrepreneur
Value-Added & Ready-to-Eat Food Startup

Higher Studies & Specialisation

M.Sc. in Food Science, Food Technology, Nutrition or related fields
Specialisation in Food Safety, Processing, Quality or Product Development



Royal School of Environmental & Earth Sciences

M.Sc. / M.A. – Geography

Characteristics:

Postgraduate programme focusing on the study of Earth's physical systems and human-environment interactions.

Choice of science-oriented (M.Sc.) or arts-oriented (M.A.) pathway depending on academic background.

Strong emphasis on spatial analysis, environmental studies and regional planning.

Extensive use of GIS, Remote Sensing and geospatial technologies.

Develops skills in field surveys, data analysis, mapping and research.

Encourages understanding of global environmental challenges and sustainable development.

Prepares students for research, planning, policy and applied geospatial careers.

Internationally relevant discipline with interdisciplinary and transdisciplinary applications.

Career Opportunities:

Geospatial & Technology-Based Roles

GIS Analyst

Remote Sensing Specialist

Spatial Data Analyst

Environmental & Sustainability Sectors

Environmental Analyst

Climate Change & Sustainability Consultant

Natural Resource Management Specialist

Urban Planning & Development

Urban / Regional Planning Assistant

Transport & Infrastructure Planning Analyst

Disaster Management & Risk Analysis

Disaster Risk Reduction (DRR) Analyst

Emergency Planning & Resilience Officer

GEOGRAPHY

Government, Policy & International Organisations

Geographer / Policy Research Officer
Roles in UN agencies, NGOs, and development organisations

Research & Academia

Research Associate / Research Scientist
Ph.D. in Geography, Environmental Science or related fields



B. Sc. (H) / B.A. (H) – Geography

Characteristics:

Honours undergraduate programme offering in-depth study of Geography. Choice of B.Sc. (Hons) (Science and Technology-oriented) or B.A. (Hons) (Human, Social and Regional Geography-oriented). Strong foundation in physical, human and environmental geography. Early exposure to GIS, Remote Sensing and spatial technologies. Emphasis on fieldwork, surveys and map-based analysis. Develops skills in data interpretation, research methods and critical thinking. Encourages interdisciplinary learning in environment, planning and sustainability. Prepares students for higher studies, research and entry-level professional roles. Curriculum aligned with international geography and geospatial standards.

Career Opportunities:

Entry-Level Geospatial & Technical Roles

GIS Assistant / Trainee
Mapping & Spatial Data Technician
Survey & Field Data Assistant

Environment, Sustainability & Development

Environmental Assistant
Climate & Sustainability Project Support Officer

Urban, Regional & Transport Planning

Urban Planning Assistant
Infrastructure & Transport Data Support Roles

Government, NGOs & Development Organisations

Project Assistant / Research Support Officer
Roles in development agencies and NGOs

GEOGRAPHY



M. Sc. – Geology

Characteristics:

Postgraduate programme focused on the study of Earth materials, processes and history.

Strong emphasis on fieldwork, laboratory analysis and research.

Integrates theoretical geology with practical and analytical techniques.

Develops skills in geological mapping, mineral identification and data interpretation.

Exposure to modern tools such as GIS, remote sensing and geophysical methods.

Encourages understanding of natural resources, environmental systems and hazards.

Prepares students for research, industry and applied geoscience careers.

Internationally relevant degree with applications across global sectors.

Career Opportunities:

Mining, Minerals & Natural Resources

Exploration Geologist

Mining Geologist

Mineral Resource Analyst

Oil, Gas & Energy Sector

Petroleum Geologist

Reservoir / Basin Analyst

Agriculture, Environment & Applied Sciences

Soil Conservation Ranger

Forest Ranger

Environmental & Engineering Geology

Environmental Geologist

Engineering Geologist

Groundwater & Hydrogeology Specialist

GIS Analyst

Geotechnical, Construction & Infrastructure

Geotechnical Analyst

Geological Consultant

Government & Public Sector

Geoscientist

Natural Resource Management Specialist

Geologist, Research Assistant

Research & Academia

Research Assistant / Research Scientist

Ph.D. in Geology, Earth Sciences or related fields

GEOLOGY



B. Sc. (H) – Geology

Characteristics:

Undergraduate programme focused on the study of Earth materials, processes and history. Strong foundation in physical sciences: geology, chemistry, physics and planetary sciences. Emphasis on fieldwork, rock/mineral identification and geological mapping. Hands-on learning through laboratory analysis and field camps. Develops skills in observation, data interpretation and scientific reasoning. Introduces tools like GIS, remote sensing and basic geophysical methods. Prepares students for higher studies or entry-level geoscience roles. Internationally relevant curriculum aligned with global geoscience standards.

Career Opportunities:

Entry-Level Geology & Field Roles

Junior Geologist
Geological Field Assistant
Mining / Exploration Assistant

Mining, Minerals & Natural Resources

Trainee Mining Geologist
Mineral Exploration Assistant

Environmental & Engineering Sectors

Environmental Geology Assistant
Forest Ranger, Soil Conservation Ranger
Geotechnical / Hydrogeology Assistant

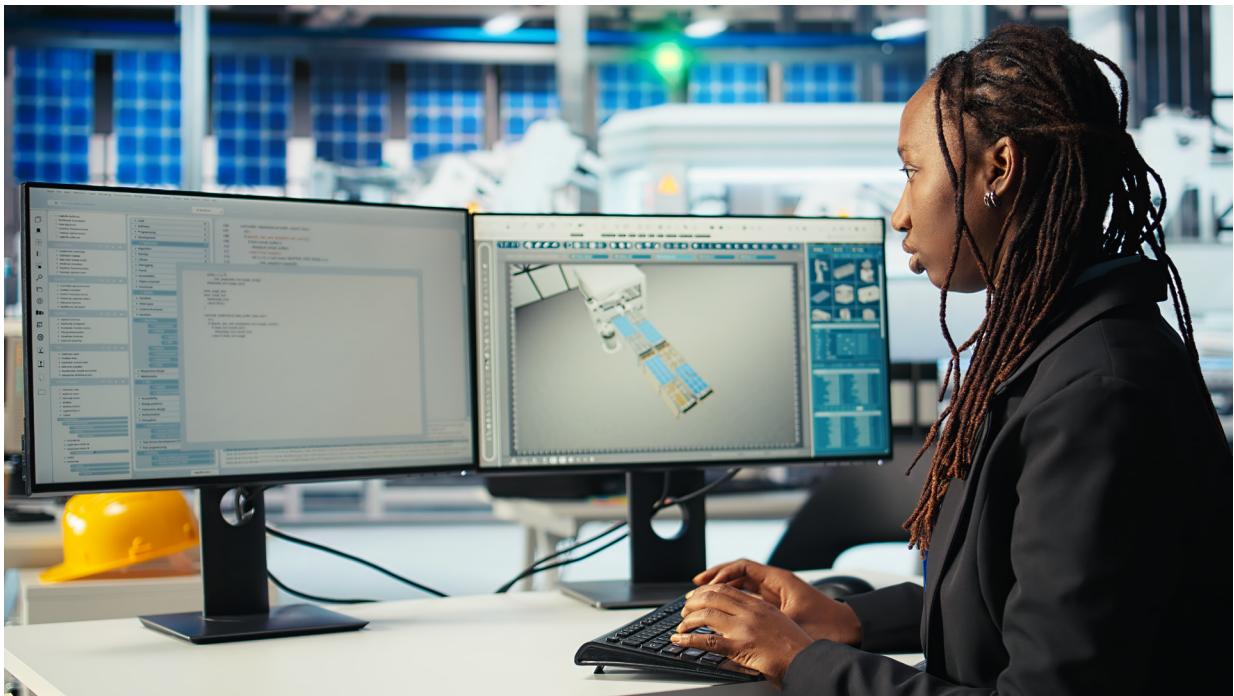
Oil, Gas & Energy

Geoscience Technician
Data & Core Analysis Assistant

GEOLOGY

Government, Surveys & Public Sector

Geological Survey Trainee
Natural Resource & Environmental Monitoring Roles



M. Sc. – Geoinformatics

Characteristics:

Postgraduate programme combining geography, computer science and Earth sciences. Strong focus on spatial data acquisition, analysis, and visualization. Extensive use of GIS, Remote Sensing, GPS and geospatial technologies. Emphasis on hands-on training, projects and real-world applications. Develops skills in spatial modelling, database management and geospatial programming. Encourages interdisciplinary learning across urban planning, environment and disaster management. Prepares students for technology-driven geospatial careers worldwide. Highly relevant to smart cities, climate studies and infrastructure planning.

Career Opportunities:

Geospatial & Technology Roles

GIS Analyst
Geoinformatics Specialist
Spatial Data Scientist

Urban Planning, Infrastructure & Smart Cities

Urban GIS Planner
Transport & Infrastructure GIS Analyst

Environment, Climate & Natural Resources

Environmental GIS Analyst
Climate Change & Sustainability Analyst
Natural Resource Management Specialist

Disaster Management & Risk Assessment

Disaster Risk Reduction (DRR) Analyst
Emergency Mapping Specialist

Government, Defence & Space Agencies

Geospatial Officer
Remote Sensing Analyst

Research & Academia

Research Associate / Research Scientist
Ph.D. in Geoinformatics, Geospatial Science or related fields

GEOINFORMATICS

Your Pathway to Royal Global University

depends on your qualifications and your chosen degree.

Choose from a variety of our progression programs :

ROYAL SCHOOL OF ENGINEERING & TECHNOLOGY (RSET)

- 1. M.Tech - AI, IOT, CAD, CDC, WRDM, Structural Engg.
- 2. B.Tech - CE,CSE, ME, Artificial Intelligence & Data Science
- 3. B.Tech - (Lateral Entry) CE,CSE, ME, Artificial Intelligence & Data Science (3 Yrs.)

ROYAL SCHOOL OF BUSINESS (RSB)

- 4. MBA-Finance, Marketing, HRM, Entrepreneurship & Small Business Management, Business Analytics, Operational Management
- 5. BBA
- 6. Executive MBA (2 Yrs.)

ROYAL SCHOOL OF COMMERCE (RSC)

- 7. M.Com
- 8. B.Com (H) - Day Shift
- 9. B.Com (H) - Morning Shift
- 10. B.Com (H) - Finance with ICA

ROYAL SCHOOL OF ARCHITECTURE (RSA)

- 11. B. Arch.

ROYAL SCHOOL OF DESIGN (RSD)

- 12. Bachelor in Interior Design
- 13. Bachelor in Interior Design - Lateral Entry (3 Yrs.)
- 14. B.Des - Fashion Design
- 15. M.Des - Fashion Design
- 16. B.Des - Communication Design
- 17. M.Des - Communication Design
- 18. B.Des - Graphic Design
- 19. M.Des - Graphic Design
- 20. B.Des - Product Design
- 21. M.Des - Product Design

ROYAL SCHOOL OF FINE ARTS (RSFA)

- 22. BFA - Fine Arts
- 23. MFA - Fine Arts

ROYAL SCHOOL OF FASHION DESIGNING & TECHNOLOGY (RSFT)

- 24. B.Des - Fashion Design
- 25. M.Des - Fashion Design

ROYAL SCHOOL OF APPLIED & PURE SCIENCES (RSAPS)

- 26. M.Sc. - Physics
- 27. M.Sc. - Chemistry
- 28. M.Sc. - Mathematics
- 29. B.Sc. (H) - Physics
- 30. B.Sc. (H) - Chemistry
- 31. B.Sc. (H) - Mathematics

ROYAL SCHOOL OF INFORMATION TECHNOLOGY (RSIT)

- 32. BCA
- 33. MCA
- 34. B.Sc. (H) - IT
- 35. M.Sc. - IT

ROYAL SCHOOL OF LIFE SCIENCES (RSLSC)

- 36. M. Sc. - Botany
- 37. M. Sc. - Zoology
- 38. M. Sc. - Forensic Science
- 39. M. Sc. - Forestry
- 40. B. Sc. (H) - Botany
- 41. B. Sc. (H) - Zoology
- 42. B. Sc. (H) - Forensic Science
- 43. B. Sc. (H) - Forestry

ROYAL SCHOOL OF BIO SCIENCES (RSBSC)

- 44. M.Sc. Bio-Technology
- 45. M.Sc. Micro-Biology
- 46. M.Sc. Food Science & Technology
- 47. B.Sc. (H) Bio-Technology
- 48. B.Sc. (H) Micro-Biology
- 49. B.Sc. Food Science & Technology

ROYAL SCHOOL OF ENVIRONMENTAL & EARTH SCIENCES (RSEES)

- 50. M.Sc. / MA Geography
- 51. M.Sc. Geology
- 52. M.Sc. Geoinformatics
- 53. B.Sc. (H) / BA (H) Geography
- 54. B.Sc. (H) Geology

ROYAL SCHOOL OF COMMUNICATIONS & MEDIA (RSCOM)

- 55. MA - J & MC
- 56. BA (H) - J & MC
- 57. M.Sc. - Animation and Visual Effects
- 58. B.Sc. (H) - Animation and Visual Effects

ROYAL SCHOOL OF BEHAVIORAL & ALLIED SCIENCES (RSBAS)

- 59. MA - Psychology
- 60. MA - Clinical Psychology
- 61. BA (H) - Psychology
- 62. BA (H) - Applied Psychology

ROYAL SCHOOL OF LANGUAGES (RSL)

- 63. MA - English
- 64. BA (H) - English
- 65. BA (H) - Assamese
- 66. MA - Assamese
- 67. Certificate Course in Sanskrit (1 Yr.)

ROYAL SCHOOL OF HUMANITIES & SOCIAL SCIENCES (RSHSS)

- 68. MA - Sociology
- 69. MA - Economics
- 70. MA - History
- 71. MA - Political Science
- 72. MA - Public Administration
- 73. MA - Indian Knowledge System (IKS)
- 74. MSW
- 75. BSW
- 76. BA (H) - Sociology
- 77. BA (H) - Economics
- 78. BA (H) - Public Administration
- 79. BA (H) - History
- 80. BA (H) - Political Science

ROYAL SCHOOL OF LAW & ADMINISTRATION (RSLA)

- 81. LL.M. - Day Shift (1 Yr.)
- 82. LL.M. - Morning Shift (1 Yr.)
- 83. LL.B. (H) (3 Yrs.)
- 84. BA - LL.B. (H) (5 Yrs.)
- 85. BBA - LL.B. (H) (5 Yrs.)

ROYAL SCHOOL OF HOTEL MANAGEMENT (RSHM)

- 86. B.Sc. (H) / BA (H) - Hotel Management
- 87. BA (H) - Culinary Arts
- 88. Bachelor of Hotel Management - BHM (4 Yrs.)
- 89. M.Sc. - Hotel Management / MHM

ROYAL SCHOOL OF TRAVEL & TOURISM MANAGEMENT (RSTTM)

- 90. B.Sc.(H) / BA (H) - Travel & Tourism Management
- 91. Master of Travel & Tourism Management - MTTM

ROYAL SCHOOL OF MEDICAL & ALLIED SCIENCES (RSMAS)

- 92. Masters of Optometry
- 93. Masters of Medical Radiology & Imaging Technology
- 94. Masters of Anaesthesia & Operation Theatre Technology
- 95. Masters in Nutrition and Dietetics
- 96. Masters of Medical Laboratory Science - MMLS **
- 97. Masters of Dialysis Therapy Technology
- 98. Masters of Emergency Care
- 99. M.Sc. Food Science & Technology
- 100. Bachelor of Medical Radiology & Imaging Technology (4 Yrs.)**
- 101. Bachelor of Anaesthesia & Operation Theatre Technology (4 Yrs.)**
- 102. Bachelor of Medical Laboratory Science - BMLS (4 Yrs.)**
- 103. Bachelor of Dialysis Therapy Technology (4 Yrs.) **
- 104. Bachelor of Emergency Care (4 Yrs.)**
- 105. B. Optometry (4 Yrs.)**
- 106. Bachelor of Nutrition and Dietetics (4 Yrs.)
- 107. B.Sc. Food Science & Technology

ROYAL SCHOOL OF LIBRARY SCIENCES (RSLIS)

- 108. M.Lib.I.Sc. (2 Yrs.)

ROYAL SCHOOL OF AGRICULTURE (RSAG)

- 109. B.Sc. Agriculture
- 110. M.Sc. Agriculture

ROYAL SCHOOL OF PHYSICAL EDUCATION & SPORTS (RSPES)

- 111. Bachelor of Physical Education and Sports

PH.D.

- 112. Ph.D. (Full Time / Part Time)

YOUR UNIVERSITY APPLICATIONS

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Application Evaluation

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Offer of Admission

Admission Decision & Conditional Letter of Admission are sent to applicant.

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Enrollment

Office of International Affairs confirms financial support documents and enrollment.

Immigration Information

Copy of Passport Once received, the Office of International Affairs will mail you Recommendation Letter, Bona-fide letter, Admission Letter and Scholarship Letter.

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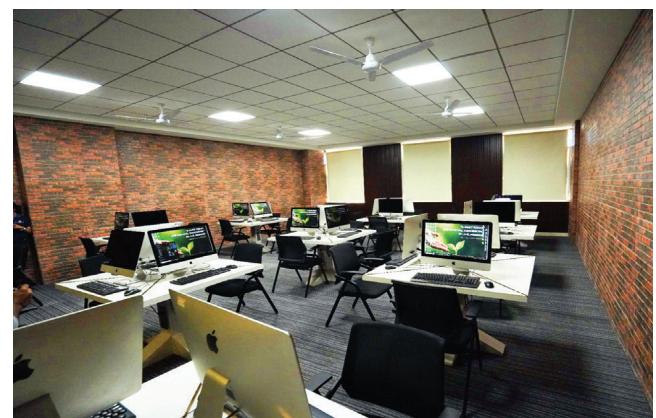




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