



ROYAL GLOBAL UNIVERSITY
— GUWAHATI —

ROYAL SCHOOL OF INFORMATION TECHNOLOGY



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ROYAL SCHOOL OF INFORMATION TECHNOLOGY

BCA

Duration : 3 Years

ELIGIBILITY

10+2 or equivalent from a recognized Board/Council with Mathematics/ Computer Science / Information Technology as one of the compulsory subjects, with minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.



CAREER OPPORTUNITIES

Students who are interested in core programming can work in the areas of software development, software testing, web development, app development for different platforms, system management, DBMS, networking, technical support, technical writing. Students not interested in core programming but still passionate about computers can opt for jobs in the areas of Banking, Fashion Designing, Graphic Designing, Sound Engineering, Advertising, Marketing, Billing & Inventory, BPO and many other industries at various verticals.



PROGRAMME OVERVIEW

Computer Applications have been the employability buzz words/since the advent of IT business. BCA is essentially a course on computer literacy. One has to note the rapid obsolescence of technology and keep pace with the change, in terms of lab provisions, industry certifications and teaching, skilling on future tools and techniques, programming readiness etc.



MCA

Duration : 2 Years

ELIGIBILITY

B.Tech./BE (CS/IT) or BCA or B.Sc. (IT), from any recognized University/Institution with minimum 45% marks in aggregate (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

Or

3-Year Bachelor's Degree from any recognized University/Institution in any field with Mathematics as mandatory subject either in 10+2 or at Graduation Level and minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.





PROGRAMME OVERVIEW

Master's Degree in Computer Applications aims at producing trained professionals who can successfully meet the growing demands of the information technology industry. The core focus of the course is on network and internet technologies, application programming, system level programming and database management. The electives in the higher semesters provide for progressive specialization in chosen areas.

CAREER OPPORTUNITIES

This post graduate course prepares the professional to meet high end complex demands of the IT industry. With a master's degree in their hand aspirants can easily get a job as Software Consultant, Network Engineer, Database Administrator, Programmer, Quality Assurance Engineer in private sector multinational companies like HCL Technologies, IBM, Microsoft Oracle, TCS, Polarisand many more. Major employment areas include the Banking Sector, E-Commerce, Design Support and DATA Communications. Security and Surveillance companies and Systems Management.

BCA + MCA

INTEGRATED

Duration : 4 Years

ELIGIBILITY

10+2 or equivalent from a recognized Board/ Council with Mathematics/ Computer Science / Information Technology as one of the compulsory subjects, with minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.





PROGRAMME OVERVIEW

The BCA+ MCA (integrated) course aims at inculcating essential skills as demanded by the global software industry through interactive learning process. It is designed to build programming skills for developing highly efficient software, website, mobile applications, machine learning applications, GPS based navigation system. This also includes team-building skills, audio-visual presentations and personality development programs. The programme enhances analytical and communication skill besides inculcating the virtues of self- study. The curriculum has been designed to cater to the ever changing demands of information technology along with necessary inputs from the Industry. This course develops skilled manpower in the various areas of information technology. It prepares graduate who will be successful professionals in industry, government, academia, research, entrepreneurship, pursuit and consulting firms and contribute to the society as broadly educated, expressive, ethical and responsible citizens with proven expertise.

CAREER OPPORTUNITIES

Some of the popular avenues open to such postgraduates are:

- »» Computer Systems Analyst
- »» Software Engineer or Programmer
- »» Computer Support Service Specialist
- »» Software Developer
- »» Computer Presentation Specialist
- »» Software Publisher.
- »» Commercial & Industrial Designer
- »» Consultant
- »» Database Administrator
- »» Junior Programmer
- »» Chief Information Officer
- »» Information Systems Manager
- »» Systems Administrator

INFORMATION TECHNOLOGY

Duration : 3 Years, B.Sc (H)

ELIGIBILITY

10+2 or equivalent from a recognized Board/Council with Mathematics/ Computer Science / Information Technology as one of the compulsory subjects, with minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.





PROGRAMME OVERVIEW

This course specializes in the field of Information Technology. This course focuses on areas like processing, managing, storing, securing information, software development, information database, programming and networks among others. B.Sc.(IT) serves as a foundation for pursuing advanced studies in the field. After completion of the course, students can opt for Master's programs like M.Sc.(IT), MBA or MCA.

CAREER OPPORTUNITIES

There are various job opportunities for the graduates in India and abroad. IT Service provider based companies concerned in hardware/ software development and application employ IT professionals. Some of the top companies that employ IT Engineers such as Unisys, Qualcomm, Tata, Elix, Sasken Communications, Airtel, BSNL, Hutchison, Vodafone, BSNL, Accenture, Bharat Heavy electrical Ltd. ASUS, Cisco Systems. National Instruments, Cypress Semiconductor Tech. Ltd, BEL, Robert Bosch, Alcatel, Siemens, Boeing Analog Devices India, Insilica Semiconductors and Xilinx India.



INFORMATION TECHNOLOGY

Duration : 2 Years, M.Sc.

ELIGIBILITY

B.Tech./BE (CS/IT) or BCA or B.Sc. (IT), from any recognized University/Institution with minimum 45% marks in aggregate (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

Or

3-Year Bachelor's Degree from any recognized University/Institution in any field with Mathematics as a mandatory subject either in 10+2 or Graduation Level and minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer).

SELECTION

Based on overall performance in last examination followed by Personal Interview.



PROGRAMME OVERVIEW

The M.Sc. (IT) is a full time two year regular degree program, intended for students who are seeking a professional career in the IT industry. There is no requirement for a first degree in computing, but proficiency in at least one programming language is a requirement. This course will give the knowledge of IT from an organization oriented view point, allowing the student to be capable of designing and implementing IT systems for a wide range of organizations. The course has been specifically designed to suit the requirements of the IT industry, where the student will be able to take up technical or management positions.



CAREER OPPORTUNITIES

This program is perfect for future researchers and technologists having technical background and persons who require to develop technical IT skills to rise in career. This programme needs dexterity in advanced programming languages: power to construct sophisticated software for extensive area of applications. The program is perfect for students who have the zeal to work with advanced applications. Those with analytical potentials will gain more.

INFORMATION TECHNOLOGY (INTEGRATED)

**Duration : 4 Years,
B.Sc.(IT) + M.Sc.(IT)**

ELIGIBILITY

10+2 or equivalent from a recognized Board/ Council with Mathematics/ Computer Science / Information Technology as one of the compulsory subjects, with minimum 45% marks or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.



PROGRAMME OVERVIEW

B.Sc. (IT) + M.Sc. (IT) (Integrated) course is established to provide theoretical as well as practical knowledge related to software applications and their development. The main objective of this course is to provide knowledge of programming, implementation of common data structures, basic knowledge of data science etc. Information technology includes software development, data manipulation and technology re-engineering which can be learned after completing this course. After this course candidate will be able to handle digital commerce, software development and can achieve organizational goals objectives. Software development and networking system are very comprehensive area of learning and they can be understood deeply by doing this course. Students will learn to control the maintenance of software network to handle the technological challenges. At the end of the programme, students will acquire sound analytical, critical thinking and experimental skills. Students will also be able to develop their problem solving abilities, system networking knowledge and use of technology with innovative ideas.

CAREER OPPORTUNITIES

Some of the popular avenues open to such post-graduates are:

- »»Information Technologist
- »»Legal Information Specialist
- »»Hardware & Network Expert
- »»Application Programmer
- »»Computer Information Specialist
- »»Graphic Designer
- »»Information Systems Manager
- »»Enterprise Information Officer
- »»Computer Support Specialist
- »»Information Security Coordinator

system Integration
INFORMATION Data
 deploy **TECHNOLOGY**
 multimedia Installation



ACTUARIAL SCIENCE

Duration : 3 Years, B.Sc(H)



ELIGIBILITY

10+2 or equivalent from any stream from a recognized Board/Council with minimum 45% marks in aggregate or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.

CAREER OPPORTUNITIES

With a Bachelor's or Masters's degree in Actuarial Science, one could pursue a lucrative career as an actuary in life insurance, finance, healthcare, retail, and consulting domains. With a background in actuarial science, one can work as an Analyst, Consultant, Product Manager, Financial Adviser; and of course, as an Actuary.

PROGRAMME OVERVIEW

Actuarial science is a discipline that assesses financial risks in the insurance and finance fields, using mathematical and statistical methods.



Duration : 2 Years, M.Sc



ELIGIBILITY

B.E. / B.Tech. / B.Sc. Mathematics / Statistics / Applied Mathematics / Computer Science / BCA / B.Com. / BBA/BA Economics or equivalent degree in relevant field with a minimum 45% marks in aggregate or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.

PROGRAMME OVERVIEW

Actuarial science is a discipline that assesses financial risks in the insurance and finance fields, using mathematical and statistical methods.

CAREER OPPORTUNITIES

With a Bachelor's or Masters's degree in Actuarial Science, one could pursue a lucrative career as an actuary in life insurance, finance, healthcare, retail, and consulting domains. With a background in actuarial science, one can work as an Analyst, Consultant, Product Manager, Financial Adviser; and of course, as an Actuary.



DATA SCIENCE

Duration : 3 Years, B.Sc(H)



ELIGIBILITY

10+2 in science stream or equivalent from a recognized Board/Council with Mathematics/Computer Science as one of the compulsory subjects, with minimum 45% marks in aggregate or equivalent grade (5% relaxation to SC/ST/OBC – Non-Creamy Layer)

SELECTION

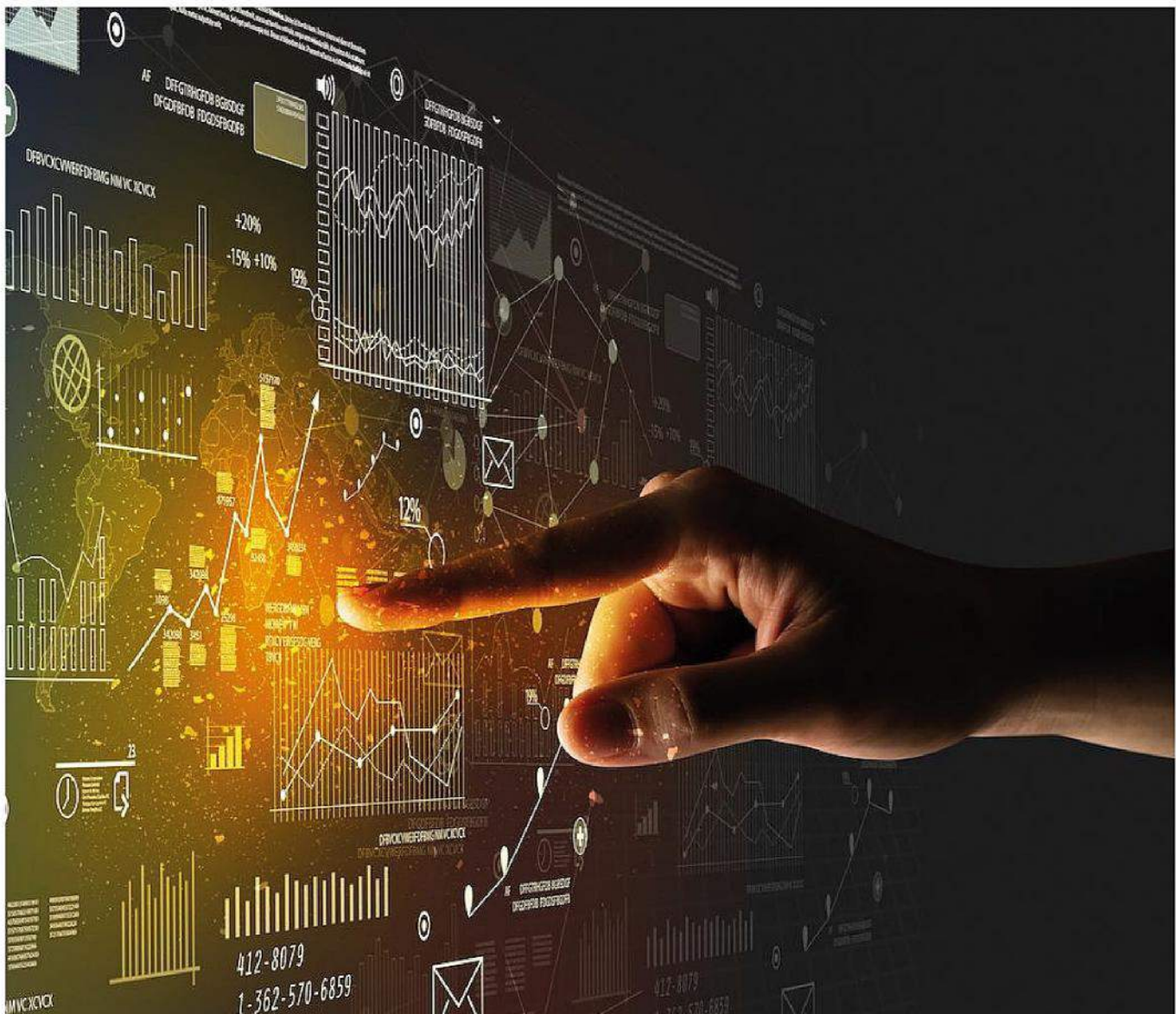
Based on overall performance in last examination followed by Personal Interview.

PROGRAMME OVERVIEW

Actuarial science is a discipline that assesses financial risks in the insurance and finance fields, using mathematical and statistical methods.

CAREER OPPORTUNITIES

With a Bachelor's or Masters's degree in Actuarial Science, one could pursue a lucrative career as an actuary in life insurance, finance, healthcare, retail, and consulting domains. With a background in actuarial science, one can work as an Analyst, Consultant, Product Manager, Financial Adviser; and of course, as an Actuary.



DATA SCIENCE

Duration : 2 Years, M.Sc



ELIGIBILITY

B.E. / B.Tech / BCA / Graduate Degree in Computer Science/ Mathematics/ Statistics/Graduate Degree in any other discipline with a minimum of two years of learning Mathematics or statistics from a recognised university / institution with minimum 45% marks in aggregate or equivalent grade (5% relaxation to SC/ST/OBC – Non Creamy Layer)

SELECTION

Based on overall performance in last examination followed by Personal Interview.

PROGRAMME OVERVIEW

Data science is the study of data to extract meaningful insights for business. It is a multidisciplinary approach that combines principles and practices from the fields of mathematics, statistics, artificial intelligence, and computer engineering to analyze large amounts of data.

CAREER OPPORTUNITIES

Many different industries — including business, scientific research and development, and healthcare — use big data to inform decisions. As a result, graduates can pursue myriad careers with a data science degree. Common job titles include analyst, data scientist, research scientist, and consultant.



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