



## Department of Mathematics & Actuarial Science



### Contact:

Admission Co-ordinators

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Department of Mathematics and Actuarial Science

B.S. Abdur Rahman Crescent Institute of Science & Technology

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### Apply Online:

Help-desk: +91 95432 77888 (UG) | +91 99530 77999 (PG)

E-mail: [admissions@crescent.education](mailto:admissions@crescent.education)

[www.crescent.education](http://www.crescent.education)

## M.Sc. Actuarial Science

## Admissions Open 2024-25



2023  
Engg:101-150  
Univ: 151-200



SDG 4: 75 | SDG 6: 77  
SDG 7: 101-200  
SDG 17: 301-400



QS Asia University  
Ranking 2024 (801+)



Diamond



B. S. Abdur Rahman Crescent Institute of Science & Technology, is an institution acclaimed throughout India for its quality in teaching and research for the past thirty seven years. The Institute is ranked No.1 among the private engineering institutions in Chennai by NIRF, MHRD. It aims at providing value based education by imparting practical training, knowledge and skills, on the journey towards technical excellence.

## HIGHLIGHTS OF THE DEPARTMENT

- Established in the year 1984 (37 years of excellence)
- Highly qualified & experienced faculty (19 faculties with 17 having Ph.D.)
- Eminent faculty members with professional Actuarial qualification
- National and international repute
- Offer courses on M.Sc. Actuarial Science and Ph.D. in Mathematics.
- Publications in high impact journals
- TCS self-service for students
- Wi-Fi enabled campus
- State of the art laboratories with softwares such as MATLAB, SPSS, R and Python
- Well-equipped digital library
- Good placement record in reputed industries
- Internship opportunities for all students in insurance companies and financial consultancies
- Periodical seminars and workshops with industry experts
- Separate hostel facilities for boys & girls

### Vision

- To be a leader in providing quality education and to carry out research in the field of Mathematics and its applications in Science, Engineering & Technology

### Mission

- To provide quality education through well designed programmes
- To provide quality mathematical foundation for all science & engineering programmes
- To undertake fundamental, applied & interdisciplinary research
- To offer programmes in specialized areas such as Actuarial Science to meet the needs of Insurance & other Industries

## ABOUT M.Sc. ACTUARIAL SCIENCE

- In a fast - changing world, with new risks and the need for more creative ways to tackle them, there is an opportunity for personal and professional growth in an actuarial career, and the pleasure of life-long learning.
- Privatization of the insurance industries has lead to the entry of many insurance companies and thus the need for actuaries and actuarial professionals has increased. Taking this into consideration that, B. S. Abdur Rahman Institute has started a new PG program in M.Sc. Actuarial Science.
- The Actuarial Science program is designed for graduates with strong mathematical skills who are looking forward to enter the Actuarial profession. Actuarial Science graduates can practice in many sectors including finance, investment, risk management, insurance and pensions.
- The syllabus of the program is framed with inputs from the experts in the field of insurance on par with the recent trends. The program, because of its unique nature, attracts students from all over India.
- The M.Sc. program offered is multidisciplinary in nature and thus there are multiple opportunities for the successful students, in the field of insurance, finance and banking.
- The program helps the students to get through well in the Actuarial exams conducted by the institute of Actuaries India/UK within a shorter period.

## SALIENT FEATURES OF THE PROGRAM

- Good demand in insurance, risk management & financial services
- Outcome and project based teaching learning
- One of the highest paid profession globally
- The program is recognized by Institute of Actuaries of India
- Exemption from Actuarial Common Entrance Test (ACET) upon successful completion of this program

- Program structures as per the syllabi of Institute of Actuaries of India, IFoA UK
- Society of Actuaries, USA, has granted Validation by Educational Experience (VEE) Credits for 3 Courses of M. Sc Actuarial Science program
- Emphasis for Communication Skills and Industry oriented application
- Providing a platform to do research in the field of Actuarial Science

## ALUMNI TESTIMONIALS



**Mr. Satish (Batch 2013-15)**  
Senior Actuarial Analyst  
Royal Sundaram General Insurance

*Everyone in my class really valued the teachings of the faculty. The curriculum is designed in a good way that helps the students in preparation for IFOA/IAI exams. My very best wishes to the department for continuing its success story.*



**Mr. Amir Altaf Panoo (Batch 2014-16)**  
Actuarial Analyst  
Chubb Business Services

*Teachers put extra efforts to support students to appear for actuarial exams apart from helping students to build technical skills. Pursuing Actuarial Science program at crescent has played a great role in building my carrier.*



**Mr. Harsh Jaitak (Batch 2016-18)**  
Actuarial Analyst  
Kuwait Reinsurance Company

*A department par excellence where you can learn how to learn.*



**Mr. Laurent Shilingi (Batch 2014-16)**  
Lecturer  
University of Dar es Salaam, Tanzania

*This Actuarial Science program curriculum is designed in such a way that it enables students to easily undertake professional examinations conducted by various Actuarial bodies. This is backed by qualified and experienced faculties who are very supportive. I recommend everyone who wishes to pursue Actuarial career to join here.*

## ELIGIBILITY

B.Sc., Statistics / Mathematics / B.Sc., B.Com. B.B.A., B.C.A., B.E., etc with Mathematics / Business Mathematics / Applied Mathematics / Statistics as one of the ancillary subjects.

## CAREER OPPORTUNITIES

- Life Insurance
- Health Insurance
- General Insurance
- Banking
- Finance
- Investments
- Funds Management
- Data Analytics
- Risk Management
- Pension Funds
- Consultancies
- Reinsurance
- Government
- Academic sectors

## TOP RECRUITERS FOR OUR STUDENTS





## STUDENT TESTIMONIALS



**Mr. Hasanur Rahman (Batch 2019-21)**  
Second Year Student

*The faculty is very well versed in the actuarial science field. They teach not only theoretical but also demonstrate its applications. The seminars conducted by the department where industrial experts give us glimpse of the industry were eye opening. I am honored to be a part of this Actuarial Science program.*



**Ms. Steffi Pearl Vinodhini (Batch 2019-21)**  
Second Year Student

*Thank you would be least thing I can say to my teachers at crescent. By teaching lessons that are related to real-life problems and encouraging students to think logical. This Actuarial Science program has been a turning point of my life and so will it be for anyone who is willing to study at Crescent Institute.*



**Mr. Sarmad Manzoor (Batch 2020-22)**  
First Year Student

*This department is not just a department related to education but a means of changing lives into good living souls. The faculty not only teaches well but also mentors us to be the future of a country owned by brilliance like our institute faculty.*



**Mr. Santhosh (Batch 2020-22)**  
First Year Student

*We had only online classes from last year, but the faculties made it very easy by making us understand the concepts right from the basics. The faculties are very friendly and could clear our doubts anytime, even through the phone. I would totally recommend the students to choose actuarial science department from Crescent Institute of science and Technology.*

## WHAT IS ACTUARIAL SCIENCE

**"It's about calculating money-related risks"**



Actuarial science involves:

- Statistics
- Probability
- Knowledge of Business & Economics

... to make sound business decisions

*Example:*

The amount that you must pay for your insurance plan is calculated by an actuary!

