



INSTITUTE OF ACTUARIAL & QUANTITATIVE STUDIES



MSc. in Actuarial Science with Data Analytics

2 years (Hybrid Programme)



Institute and Faculty of Actuaries

Exemptions For Upto 7 IFoA Exams

Accredited by IFoA

FAST TRACK YOUR ACTUARIAL CAREER

With Leading Industry Placement Record

LEARN



Actuarial Pricing and Reserving



Portfolio Management & Business Valuation



Risk Modelling



Data Science using R, Python, VBA & more

About RRU



Rashtriya Raksha University (RRU) is an **Institute of National Importance** under the Ministry of Home Affairs. It specializes in **national security, risk management, and financial security**. Located on a 230-acre campus, RRU offers a **multidisciplinary learning environment** with access to **research facilities and industry collaborations**. RRU's focus on **economic resilience and financial risk management** prepares professionals to tackle **financial and economic challenges**.

About IAQS

Established in 2018, the **Institute of Actuarial and Quantitative Studies (IAQS)** manages **BSc and MSc programs** accredited by the **Institute and Faculty of Actuaries (IFoA, UK)**, ensuring global recognition and career opportunities. IAQS integrates **comprehensive education, professional qualifications, and real-world insights**, with exemptions for key IFoA papers. Beyond academics, IAQS promotes **personal growth, leadership, and networking** through extracurricular activities, preparing students for careers in **actuarial science, finance, and data analytics**.

Key Highlights



HYBRID LEARNING

Live online lectures + offline immersion sessions.



EXAMINATIONS

Offline exams at national & international centers near you.



LECTURE ACCESS

Flexibility to attend live lectures and visit recorded lectures available on LMS.



PRACTICAL LEARNING

Capstone projects with industry connect and job oriented training.



PLACEMENT CELL

100% Job placement assistance, with a dedicated cell for resume building & interview preparation.



CAMPUS IMMERSION

Campus immersion sessions every semester for networking & industry exposure.

ARE YOU READY to Take the Leap?

Discover how IAQS can help you achieve your dreams. Join us today and embark on a transformative journey to a future filled with opportunities.



Academic Program

1

SEMESTER

- Probability and Statistics
 - Financial Mathematics
 - Business Finance
 - Insurance - Principles, Products and Practices
 - Applications of IT- Basics & Advance Excel
- Research**
- Fraud Analytics and Prevention

2

SEMESTER

- Portfolio Theory & Security Analysis
 - Financial Engineering
 - Statistical & Risk Modelling -1
 - Business Economics
 - Generative AI and Prompt Engineering
- Internship / Field project**
- R – Project

3

SEMESTER

- Pricing & Reserving for Life Insurance Products – 1
 - Statistical & Risk Modelling – 2
 - Statistical & Risk Modelling – 3
 - Application of IT - Python
 - Model Documentation & Analysis
 - Actuarial Practice - 1
- Internship / Field project**

4

SEMESTER

- Pricing & Reserving for Life Insurance Products – 2
 - Statistical & Risk Modelling - 4
 - Predictive analytics and machine learning
 - Data Visualisation with Power BI
 - Cyber Security
 - Actuarial Practice - 2
- Internship / Field project**

ELIGIBILITY

- Bachelor's degree in any discipline (Commerce / Engineering / IT background / Mathematics) with a minimum of 50% in Semester 5
- If the Semester 5 marks are <80% then students need to give an aptitude test - RCET and Clear a Personal Interview Round
- RCET to be exempted if cleared actuarial equivalent exam.

FEES STRUCTURE

The course fees are:
 For the 1st year - ₹. 317,335/-
 For the 2nd year - ₹. 350,760/-
 Fees includes tuition fee, library fee, exam fee, university charges, study material fee and industry training fee

OUTCOME

This one of a kind degree aims at propelling into the profession by offering strong fundamentals in

- Actuarial Science
- Insurance
- Finance
- Investments
- Risk Modelling
- Data Analytics
- Asset - Liability Management

Global Accreditations

How will it help?

This 2 - Year, M.Sc. Actuarial Science with Data Analytics (Hybrid) program offered by Rashtriya Raksha University, provides a complete solution to the various issues faced by an actuarial aspirant globally. It not only equips students with the relevant technical skills but also focuses on holistic development.



Institute
and Faculty
of Actuaries

Exemptions

M.Sc. Actuarial Science with Data Analytics, is currently the only hybrid program in India that offers exemptions for **upto 7 of the IFoA Core Principle subjects - (CM1, CM2, CS1, CS2, CB1, CB2 and CP1).**

Post Graduates from the programme who meet the IFoA's exemption threshold in the relevant university subjects will be eligible for exemption from the corresponding IFoA subjects and will not need to sit the IFoA exam for those subjects. Depending on the modules taken and the grades obtained, completion of this masters programme at the Rashtriya Raksha University can lead to a recommendation for exemption.

Why Pursue MSc in Actuarial Science with Data Analytics?

Structured Learning & Conceptual Clarity

Actuarial Subjects are systematically split and distributed across semesters for better understanding and retention.

Placement & Career Advancement

Strong industry partnerships, mentorship programs, and career support enhance job prospects.

Early Industry Exposure & Internships

By the 2nd or 3rd semester, students start applying knowledge in real-world scenarios. Graduates enter the workforce with hands-on experience.

Strong Peer Network & Professional Growth

Students engage in discussions, group projects, and knowledge-sharing, helping in long-term career development.

Flexibility to Balance Work & Academics

Hybrid learning allows students to manage studies alongside work or other commitments. Live lectures, recorded sessions, and offline immersion programs ensure accessibility without compromising quality.

Student Success Stories & Alumni

100% Placement of the First Batch
of M.Sc in Actuarial Science Students

Kevin Moses
Trainee Actuary

Aashay Shah
Specialist Catastrophe Modeling

Keith Mulani
Actuarial Analyst

Sadaat Bubere
Specialist Catastrophe Modeling

Tanmay Kshirsagar GB Retirement Trainee **Vaidik Raikundaliya** Actuarial Analyst **Nupur Dandekar** GB Retirement Trainee

Faisan Alam
Actuarial Associate

Jhil Mandlecha
Trainee Actuary

Aradhna Choudhary
Trainee Actuary

Campus Immersion Sessions (every semester)

Curated on-campus experiences enables students to connect with industry experts, explore career pathways, and gain practical industry perspective beyond the classroom.

Shri Parmod Arora
Member (Actuary), IRDAI

Mayur Kacholiya
Head – Motor Product, Go Digit

Siddesh Ramasubramanian
CEO, InRisk Labs

Sunil Kavishwar
Ex-Central Bank of the UAE, Director

Shri K. Rajaraman
Chairperson, IFSCA Official

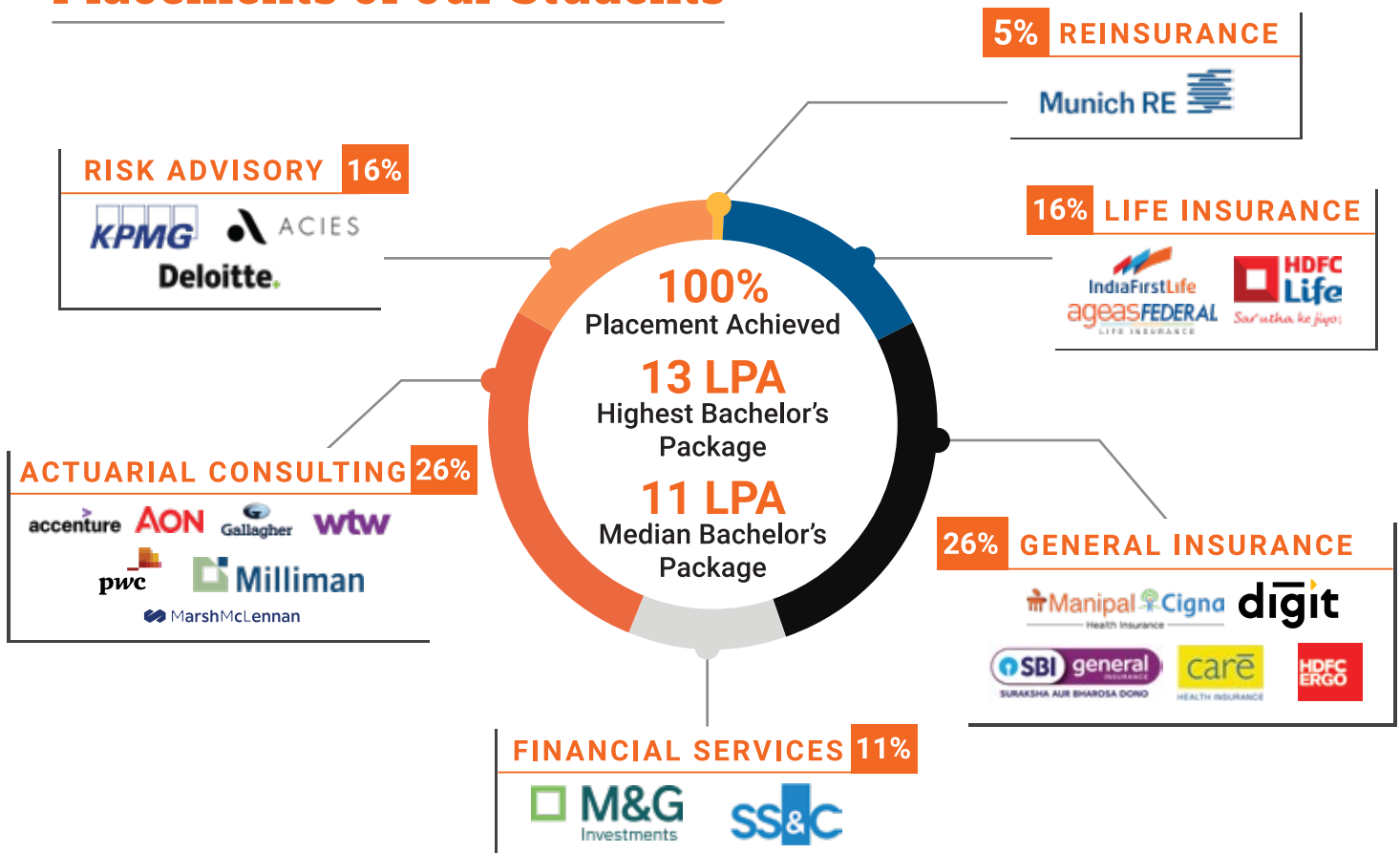
Shri Debasish Panda
Former Chairman, IRDAI

IAQS-RRU Campus Immersion for M.Sc

Academic Softwares



Placements of our Students



Career Opportunities

		Actuarial Analyst
Equity Research	Financial Analysis	Investment Banking
Risk Modelling	Specialist Insurance	Private Equity
Asset - Liability Management	* Placements are of B.Sc & M.Sc (Actuarial Science) batch managed by IAQS.	

FAQs

ABOUT IAQS AND PROGRAM

Why choose IAQS?

- With more than 5 years of experience of running India's only IFoA accredited course mentoring more than 400+ students, IAQS is India's premier Actuarial Institute.
- Dedicated placement cell for 100% placement assistance with placements going upwards of 18 LPA.

Is this a private institute?

- IAQS offers a hybrid MSc program in Actuarial Science with Data Analytics in collaboration with RRU, confers the degree for this program, ensuring academic excellence and industry relevance, Which is a national university.

ADMISSION PROCESS

Is the student capable of pursuing Actuarial Science?

Admission is based on a

- RCET entrance test
- Personal interview

The mechanism is robust to identify the alignment of a student's interests and intellect with the course requirement. Additionally, the stellar education support provided by the institute ensures that students have the best shot at clearing the papers.

FACULTY

How is your faculty different?

- About 70% of the faculty comes from industry, and the rest are seasoned academicians.
- Faculties includes, Fellow actuaries, associate actuaries, CA, CFA, FRM holders and other distinct professionals.

ELIGIBILITY / ADMISSION PROCESS

Where do I register for this program?

You can register for this program from "Link" post registration the counsellor will reach out to you for further assistance.

<https://admissiondesk.iaqs.in/app/#/auth/register>

<http://rrulavad.nmediasoft.com/onlineadmission/RRURegistration>

Scholarship

Scholarship is need based. It has been granted to the students who are willing to study but could not afford the fees due to financial issues. Scholarships are provided upto 40% once the student is enrolled in program.

INDUSTRY EXPOSURE AND PLACEMENTS

Do you guarantee Placements?

- We have a dedicated placement team that assists our students during and even after post graduation to attain the best opportunities. There are currently 20+ placement partners who come to campus to hire our students. Latest Placement report is available on www.iaqs.in

ACADEMICS AND ASSESMENTS

Lecture Delivery

- Live interactive lectures.
- Recorded sessions available on a Learning Management System (LMS) for flexible access.

Where would examinations held?

- Offline exams at dedicated centers across the country and international locations near you.

Advisory Board



Thomas Mathew

Board of Director (ESL, L&T group of companies, LIC of India, Canara HSBC, OBC L.I.C Ltd.)

- Formal Chairman-in-charge & MD of LIC of India.
- Ex member - Panel of experts (Ministry of Finance, Govt. of India)
- Ex member - Quality review board (Institute of Actuaries of India)



Nilesh Shah

Managing Director, Kotak AMC Ltd

- Ex MD CEO - Axis Capital Ltd.
- Ex Chief Investment Officer - ICICI Prudential AMC Ltd. & Franklin Templeton India.



Pratibha Jain

Founder & Managing Director, Eduabroad Consultant.

- Education Counsellor, Mumbai University affiliated colleges.



Rajesh Khairajani

Partner - KNAV International, Partner - Inde Global Advisory

- Valuation expert, Speaker at Indo American Chamber of Commerce & NASSCOM
- Candidate of the American Society of Appraisers.



D Sivanandhan

Board of Directors on Various Companies, IPS Officer (Retd.), Ex Commissioner of Police

- Ex member - Central Security Cell (Reserve Bank Of India Panel)
- Ex member - Special task force, National Security Council (Prime Minister's Office).
- Recipient of the President's Distinguished Service Medal.



Tanveer Quraishi

Senior VP & Head of Advisory, Marsh McLennan Global Services India Pvt Ltd (MMGS)

- Ex Consultant, Ernst & Young, Insurance and Actuarial Advisory Services
- Ex Senior Analyst – Actuarial, WNS Global Services



Rashtriya Raksha University,
Raksha Shakti Rd, Lavad,
Gandhinagar, Gujarat 382305.

All India Institute of Local Self Government (AIILSG),
Sthanikraj Bhavan, C.D. Barfiwala Road, Juhu Lane,
Andheri (West), Mumbai – 400 058.



+91 9372777615



www.iaqs.in



+91 9372777615



IAQSInstitute



iaqsofficial



iaqsofficial



instituteofactuarialandqua128

