



INSTITUTE OF ACTUARIAL
& QUANTITATIVE STUDIES



MSc. in Actuarial Science with Data Analytics

2 years (*Hybrid Programme*)

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

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.

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.

Placement & Career Advancement

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

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.

Beyond the Classroom



CONVOCATION

Students from 15+ States & 5 Countries

TED X IAQS



INDUSTRY CONNECT SESSION

Student Success Stories & Alumni

100%

Placement Achieved

10.5 LPA

Placement Package

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

Aashay Shah

Specialist Catastrophe Modeling

Keith Mulani

Actuarial Analyst

Kevin Moses

Trainee Actuary

Aradhna Choudhary

Trainee Actuary

Faizan Alam

Actuarial Associate

Tanmay Kshirsagar

GB Retirement Trainee

Vaidik Raikundaliya

Actuarial Analyst

Nupur Dandekar

GB Retirement Trainee

Sadaat Bubere

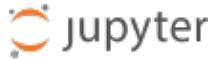
Specialist Claims Analyst

Jhil Mandlecha

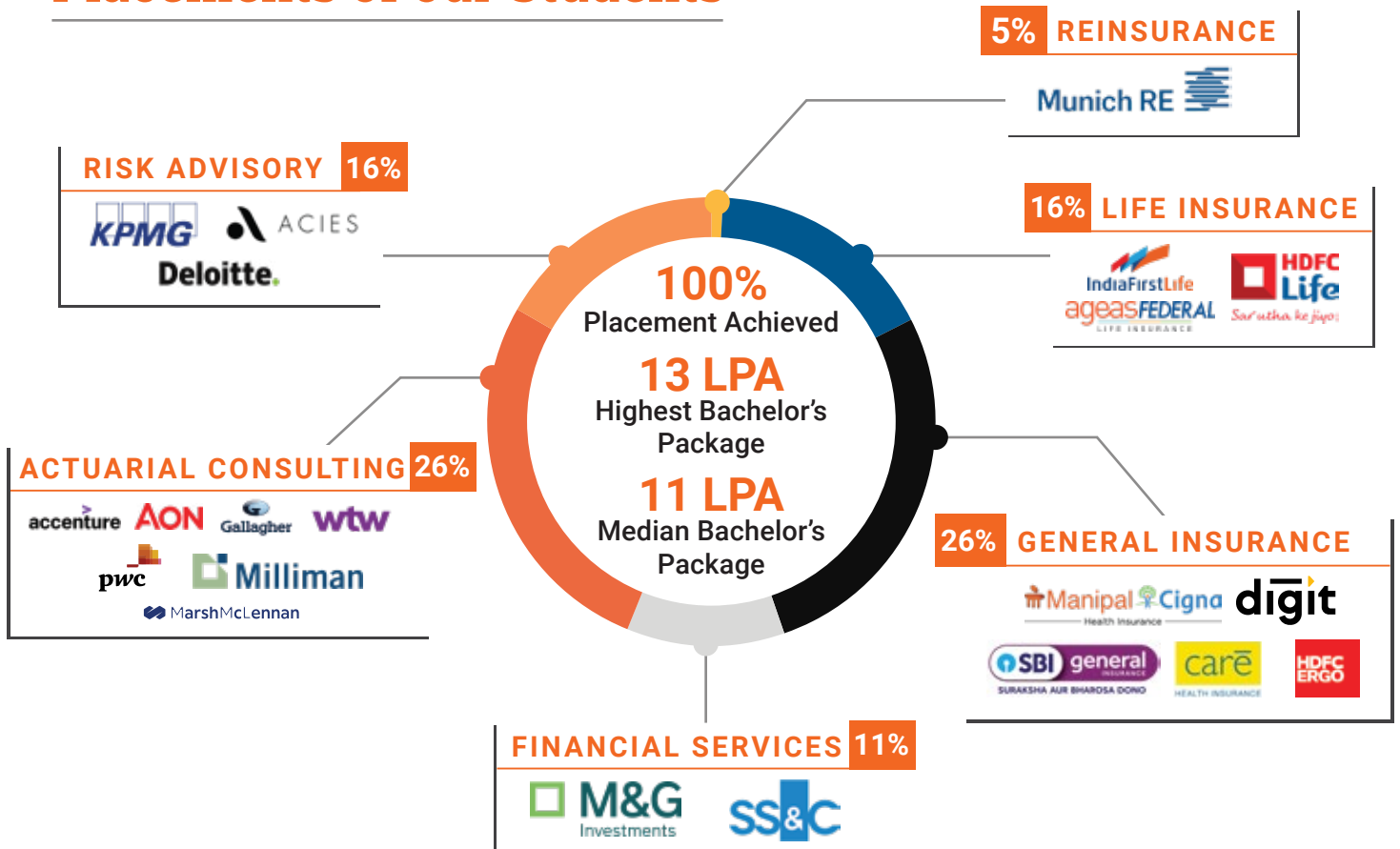
Trainee Actuary

* Placements are of M.Sc (Actuarial Science) batch managed by IAQS.

Academic Softwares



Placements of our Students



Career Opportunities

Equity Research	Financial Analysis	Actuarial Analyst
Risk Modelling	Specialist Insurance	Investment Banking
Asset - Liability Management		Private Equity

* 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



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