

# Master's in Actuarial Science

University of Mumbai Degree

M.Sc. (Actuarial Science) , 2 Years Full-time

## Learn



Risk  
Modelling



Portfolio  
Management &  
Business Valuation



Actuarial Pricing  
and Reserving



Data Science using  
R, Python, VBA and  
more



University of Mumbai





## What does an Actuary do?



### In a Life/Non-Life/Reinsurance

Product Development  
Pricing Valuation  
Regulatory Reporting



### In a Consultancy Firm

Advise Clients  
Design Pension plans and Compensation  
Risk and Cost Analysis



### In Insurance Regulatory

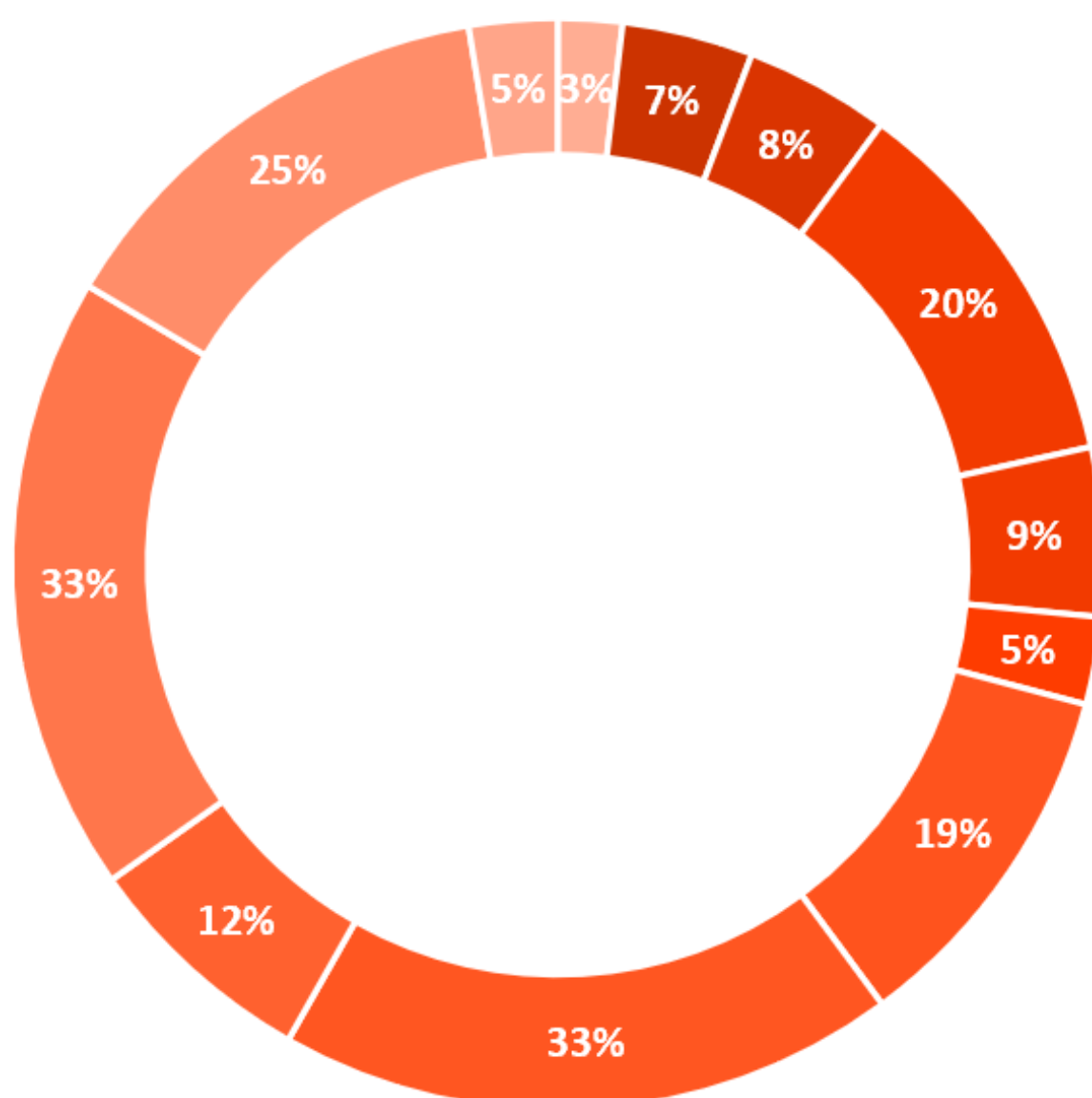
Review Laws and Regulations  
Survillence



### In a Financial Institution

Risk Consulting  
Equity Research  
Portfolio and Investment Management

## Actuaries in Various Fields



- Data Science
- Education
- Enterprise Risk Manangement
- General Insurance
- Health Care
- Investment Banking
- Investment Management
- Life Insurance
- Non-Actuarial
- Others
- Pensions and Employee Benefits
- Resource and Environment

## IAQS

The 2-Year, Full Time, M.Sc. (Actuarial Science) degree program is offered by **Patkar-Varde college** (accredited with A+ Level at NAAC) - **the University of Mumbai** in association with the Institute of Actuarial and Quantitative Studies (IAQS). The course a unique blend of industry-academia tie-ups, bringing real-life experiences to the lecture theatre, enabling students to get industry rich learning experiences.

## M.Sc. in Actuarial Science

**Term** - 2 Years (Full Time)

**Degree** - University of Mumbai

**For whom?** - Fresh graduates or working professionals interested in starting their career as an Actuary

## 8 Reasons to choose M.Sc. Actuarial Science



### Power Your Knowledge

Equip yourself with vital knowledge and skills that navigates your career in the right direction. It will polish certain universal skills like analytical and critical thinking along with technical skills required in your career life.



### Offers scope to Multi-diverse fields

The masters degree will open your gate to multiple fields where actuaries work. From weather forecasting , venture capitalist, data science, InsurTech firms to conventional Insurance companies and Banks.



### Elevate your game

It will equip you with the right kind of competencies needed to perform in the professional space. It involves research oriented projects and case studies which will keep you up-to-date with on goings in actuarial, financial, banking and tech industry.



### Be Job Ready

Be ready to learn beyond classroom and class material to form a deeper understanding of the subjects. Apply theoretical knowledge on various softwares, case-studies/projects and Internships



### Industry Academia Tie-ups

The course offers hands-on experience solving real-life, complex data-sets through a Project-Based Internship provided by our Industry partners along with Internship and Job opportunities



### Fast-Track your career

It covers the material syllabus of the Institute and Faculty of Actuaries (IFoA, UK) and the Institute of Actuaries of India (IAI, India) such as CM1, CM2, CS1, CS2, CB1, CB2, CP1 and CP2



### Learn from the Industry Experts

Faculty members include professionals who are Qualified Actuaries (FIA/ FIAI), Associates Actuaries (AIAI), Chartered Accountants (CA), Chartered Financial Analyst's (CFA), Financial Risk Manager (FRM) and Others

## Advisory Board - Backed By the Best



### Thomas Mathew T

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

- Former 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 Mahindra AMC Ltd,**

**Chairman: Association of Mutual Funds in India,**

**Member at Prime Minister's Economic Advisory Council**

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



### JV Prasad

**Director, Willis Towers Watson**

- Ex Appointed Actuary & Vice - President - ICICI Lombard GIC Ltd.
- Ex CRISIL - Structured finance Ratings.



### Sauvik Banarjee

**Digital Technology leader - Tata Group**

- Ex VP Tata Industries, CTO TataCLiQ, SAP, Accenture, Infosys, Netsuite Author, Tedx Speaker, MIT starter hub mentor.



### Prathibha 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**

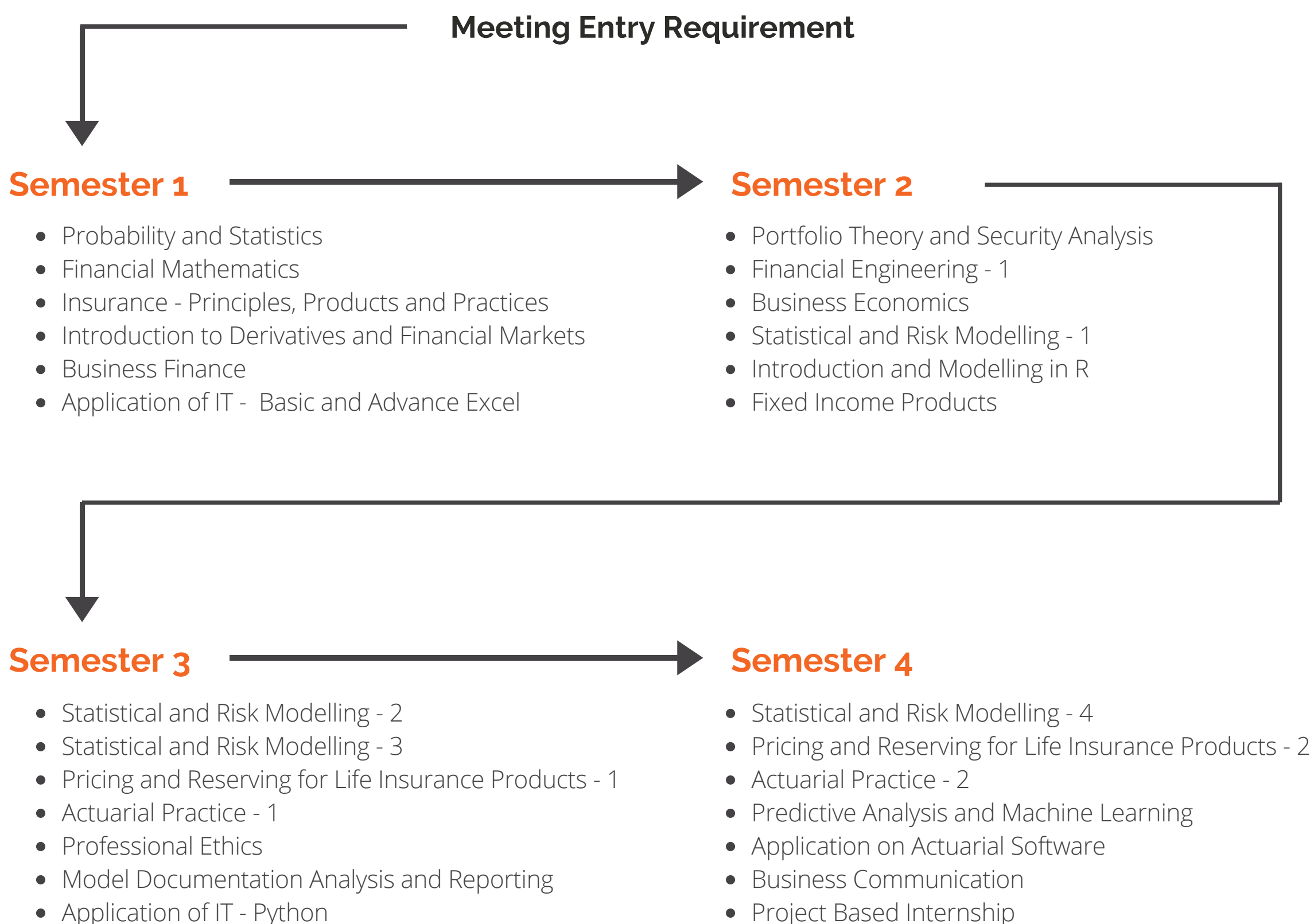
- Ex member - Central Security Cell (Reserve Bank Of India Panel)
- Ex member - Special task force, National Security Council (Prime Minister's Office).
- Recipient of the President's Distinguished Service Medal.

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# Course Curriculum



## Eligibility

- Bachelor's degree in any discipline (Commerce / Engineering / IT background / Mathematics) with a minimum of 70% in Semester 5
- If the Semester 5 marks are <70% then students need to give an aptitude test – QAT and Clear a Personal Interview Round

## Fees Structure

The course fees are:  
For the 1st year - Rs. 313,625  
For the 2nd year - Rs. 346,875

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