



**Cass Business School**  
CITY UNIVERSITY LONDON

**34,000**

is the size of our global alumni community

**78%\***

of our MSc in Actuarial Science graduates find employment within six months of leaving Cass

**23**

is the average age of our MSc in Actuarial Science students

In 2014 the *Financial Times* ranked Cass Business School

**4<sup>th</sup> in the UK**



# The Cass MSc in Actuarial Science

## The Cass advantage

Located in the heart of the City of London, one of the world's great financial centres, Cass Business School is home to one of the largest finance faculties in Europe. Studying for your Masters here means being part of a global network of Cass students, alumni and partners, and ideally positioned to embark on the next exciting stage of your career journey.

## About the course

The MSc in Actuarial Science course is accredited by the Institute and Faculty of Actuaries. Cass Business School was the first institution in the UK to have both undergraduate and postgraduate programmes fully accredited by the Institute and Faculty of Actuaries. It is also recognised by other actuarial professional bodies around the world.

Consequently, students have an excellent opportunity to gain exemptions from the Core Technical examinations of the Institute and Faculty of Actuaries.

## Scholarships

Each year, the School makes funds available for scholarships to outstanding students.

## Careers

There is a continuous demand for capable postgraduate level executives in the actuarial profession, whose members are among the highest paid in the UK. They work in fields such as: insurance companies (life/non life departments), consulting firms, government departments, banks and investment firms, teaching and research.

## Some examples\* of where recent graduates from the MSc in Actuarial Science are working:

- Legal & General – Solvency II Group Protection Actuarial Trainee – UK
- RSA – Commercial Pricing, Graduate Actuarial Trainee – UK
- Government Actuary's Department – Pensions, Junior Trainee Actuary – UK
- Brunei Investment Agency – Internal Fund Management, Rates Strategist – Brunei
- KPMG – Actuarial Life, Actuarial Analyst – India.

\* Destination data survey 2013

# The Cass MSc in Actuarial Science

## Curriculum overview

The MSc in Actuarial Science is delivered via face-to-face lectures from qualified actuaries (and other experts in the field), complemented by dedicated online support, easy access to faculty members, and advice on exam techniques.

Faculty members include a significant number of qualified actuaries and other experts in range of wider fields, who use their commercial experience and current research interests to inform their teaching.

To satisfy the requirements of the degree programme students must complete:

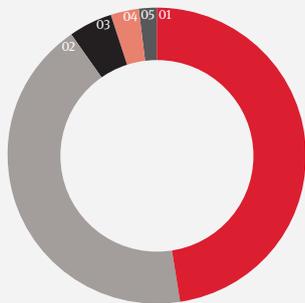
**Six core modules and five electives or one elective and a Business Research Project.**

## 49%/51%

is our male to female ratio

**MSc Specialist Masters student intake by geographical region**

01	United Kingdom/Rest of Europe	49%
02	Asia	44%
03	Americas	3%
04	Africa	2.5%
05	Middle East	1.5%



## Accreditation

Cass Business School is among the global elite of business schools that hold the gold standard of 'triple-crown' accreditation from the Association to Advance Collegiate Schools of Business (AACSB), the Association of MBAs (AMBA) and the European Quality Improvement System (EQUIS).

The Institute and Faculty of Actuaries accredits the Cass MSc in Actuarial Management course.



## Full-time

### Induction (two weeks)

#### Term one

- Financial mathematics (CT1)
- Finance & financial reporting (CT2)
- Probability & mathematical statistics (CT3)
- Economics (CT7)
- Research methods for actuarial professionals.

#### Term two

- Modelling (CT4)
- Contingencies (CT5)
- Statistical methods (CT6)
- Financial economics (CT8).

#### Term three

**Five electives or one elective and a Business Research Project.**

### Example of previous electives appropriate for this course\*

- Copula modelling
- Introduction to model office building in life insurance
- Longevity risk pension products
- Modelling & data analysis
- Stochastic asset models
- Topics in quantitative risk management
- Hedge funds
- Econometric modelling
- Credit risk management
- Mergers & acquisitions
- Alternative risk transfer & risk securitisation
- Liability insurance
- Marine, aviation & transport insurance
- Marketing of financial services
- Operational risk management
- Reinsurance
- Pension finance
- Technical analysis & trading systems
- Consulting skills
- Behavioural finance
- Visual basic in finance.

\* Subject to availability and pre-requisites

## Standard entry requirements

### Bachelors degree in a related subject:

UK 2.1 or above, or the equivalent from an overseas institution, in a highly quantitative subject.

### English requirements:

An IELTS score of 7.0 overall with a minimum of 6.5 in the writing component.

## Tier 4 Visa students

If you are a Tier 4 student visa holder and wish to follow an electives route in the third term your formal course end-date will be moved forward to 31 July 2016. City University has a legal obligation to report the change in your circumstances to UKVI (UK Visas and Immigration). Consequently, your Tier 4 student visa will be curtailed (shortened) to 60 days after the new course end date (to the end of September). The University cannot continue to sponsor your Tier 4 visa after the completion of the electives as continued engagement with the course is no longer required.

If you choose to undertake the dissertation module as part of your Masters course then your visa will run for the full length of programme.

If you want any advice about the implications of taking the elective modules on your Tier 4 visa, please contact the University's International Student Advice team at [visaadvice@city.ac.uk](mailto:visaadvice@city.ac.uk).

**“Every week we have ‘professional development’ classes, where we are given advice on improving our employability, and opportunities to practice our networking and interview technique.”**

Nick Grover, UK  
MSc in Actuarial Science

# £18,000

Tuition fees