LONDON’S GLOBAL UNIVERSITY

FINANCIAL RISK MANAGEMENT MSc / 2017/18 ENTRY

www.ucl.ac.uk/graduate/compsci
Financial Risk Management MSc /

This MSc programme, which has been designed in conjunction with leading risk professionals, aims to meet the growing demand for professionals who are highly skilled in quantitative risk management. Students gain core competencies in risk analysis and have the opportunity to tailor the programme to their own interests and needs through the wide variety of options available.

Degree summary
Students will be educated to an advanced level in programming and computing and will gain mathematical, statistical and computational modelling skills. They will have a clear appreciation of different types of risk within the industry, and of the managerial and psychological issues related to risk control.

The Bank of England (BoE), the Financial Conduct Authority (FCA) and the financial services industry place great emphasis on raising the level of quantitative analytics used in risk management and compliance. UCL, in collaboration with the BoE/FCA, aims to set a new benchmark in this area, based on training students to become risk professionals who are good scientists in the area of risk management.

UCL Computer Science is recognised as a world leader in teaching and research. Our Master's programmes have some of the highest employment rates and starting salaries, with graduates entering a wide variety of industries.

We take an experimental approach to our subject, enjoy the challenge and opportunity of entrepreneurial partnerships and place a high value on our extensive range of industrial collaborations.

The programme is delivered through a combination of lectures, seminars, tutorials and project work. Modules are assessed by written papers and/or coursework. The research project is assessed by a written report and (optional) oral examination.

Students undertake a summer work placement in an industry environment organised by the department.

Degree structure
Mode: Full-time: 1 year
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four core modules (60 credits), four optional modules (60 credits) and the research dissertation (60 credits).

A Postgraduate Diploma will be offered to the students that have completed eight taught modules (120 UCL credits).

A Postgraduate Certificate will be offered to the students that have completed four taught modules (60 UCL credits).

Degree structure

CORE MODULES
- Financial Data and Statistics (15 credits)
- Financial Engineering (15 credits)
- Market Risk, Measures and Portfolio Theory (15 credits)
- Stochastic Processes for Finance (15 credits)

OPTIONAL MODULES
- 60 credits must be chosen from Optional modules.
- Algorithmic Trading (15 credits)
- Applied Computational Finance (15 credits)
- Compliance, Risk and Regulation (15 credits)
- Equities, Foreign Exchange and Commodities Modelling (15 credits)
- Financial Institutions and Markets (15 credits)
- Machine Learning with Applications in Finance (15 credits)
- Market Microstructure (15 credits)
- Networks and Systemic Risk (15 credits)
- Numerical Analysis for Finance (15 credits)
- Operational Risk Measurement for Financial Institutions (15 credits)
- Quantitative Modelling of Operational Risk and Insurance Analytics (15 credits)
- Please note: the availability and delivery of modules may vary, based on your selected options.
- With permission, a student may substitute up to two optional modules with electives. A list of acceptable elective modules is available on the Departmental page.

DISSERTATION/REPORT
- Students undertake modelling, research and data analysis which takes place over the summer placement. This forms the basis of the 10,000-word dissertation.
Your career
Many students have gone on to careers in financial services in the City of London or in their home countries; a number of graduates have proceeded to PhD-level study.

Employability
Students acquire mathematical, statistical and computational skills which are highly sought after by the financial industry to assess, quantify, model, simulate and edge risk.
**Entry requirements**

A minimum of an upper second class UK Bachelor's degree, in a relevant discipline, or an overseas qualification of an equivalent standard, with a strong quantitative component evidenced by good performance (higher than 60%) in relevant mathematics, statistics or computation options.

**English language proficiency level**

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: **Good**.

Information about the evidence required, acceptable qualifications and test providers is provided at: www.ucl.ac.uk/graduate/english-requirements

**Your application**

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

- why you want to study Financial Risk Management at graduate level
- why you want to study Financial Risk Management at UCL
- what particularly attracts you to this programme
- how your academic and professional background meets the demands of this programme
- what programming experience you have
- where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

Successful applicants to this programme will be required to pay a tuition fee deposit dependent on their mode of study and fee status as given below:

- UK/EU full-time: £2,000
- UK/EU part-time: £1,000
- Overseas full-time: £2,000
- Overseas part-time: £1,000

Further details can be found on the Fees and funding page.

**Fees and funding 2017/18 entry**

- UK: £18,580 (FT)
- EU: £18,580 (FT)
- Overseas: £27,540 (FT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

4 MSc Scholarships, worth £4000 each, are made available by the Department of Computer Science to UK/EU offer holders with a record of excellent academic achievement. The closing date is 30 June 2017. For more information, please see the department pages.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

**Application deadline**

All applicants: 1 July 2017

Details on how to apply are available on the website at: www.ucl.ac.uk/graduate/apply

**Contact**

Mr Martin Nolan, Programme Administrator

Email: martin.nolan@ucl.ac.uk

Telephone: +44 (0)20 7679 1373

**EU referendum**

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/eu-referendum

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This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL’s degree programmes please see the UCL Graduate Prospectus at www.ucl.ac.uk/graduate