ENGINEERING WITH FINANCE MSc / 2018/19 ENTRY

www.ucl.ac.uk/graduate/mecheng
Engineering with Finance MSc

This MSc programme builds on the success of our undergraduate Engineering with Business Finance programme and is designed to give graduates with a first degree in a relevant numerate subject the engineering, management and finance knowledge and skills necessary to work on engineering projects, and in business and finance.

Degree summary

Core engineering content concentrates on areas of new and emerging technologies and materials combined with modules in project management and financial markets and institutions. Students undertake two engineering projects (a group design project and an individual project) which integrate the knowledge acquired through the taught modules.

- UCL Mechanical Engineering is a dynamic and vibrant place to study and do research. Located in central London it was the first mechanical engineering department in the UK. It has a long reputation for internationally leading research funded by numerous organisations and industry, and quality teaching.
- The department benefits from state-of-the-art facilities and close links with industry, and has access to expertise in other disciplines, including engineering and management sciences within UCL.
- The Engineering with Finance MSc has been accredited by the Institute of Mechanical Engineers (I MechE).

This dynamic programme is delivered through a combination of lectures, tutorials, seminars, laboratory and project work, workshops and problem classes, all of which frequently draw upon real-life industrial case studies. Assessment is through examinations, coursework, laboratory reports, presentations, the group design project and the individual research project.

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), two optional modules (30 credits), a group design project (30 credits) and the individual research project (60 credits).

**CORE MODULES**
- Materials and Fatigue
- Project Management
- Financial Institutions and Markets
- New and Renewable Energy Systems

**OPTIONAL MODULES**
- Advanced Computer Applications in Engineering
- Vibration, Acoustics and Control
- Compliance, Risk and Regulation
- Entrepreneurial Finance
- Numerical Analysis for Finance
- Financial Engineering

Please note: Restrictions apply to selection of optional modules. Please visit the [Departmental degree structure](#) page for more information.

**DISSERTATION/REPORT**
- All students undertake a group design project and an individual research project, both culminating in a substantial dissertation. The group project focuses on creativity and design, teamwork, project management and business planning and feasibility. The research project revolves around student research interests; it often has industry input and develops high-level presentation, critical thinking and research skills.
Your career

Graduates of this programme will be well placed for a future career within engineering, project management, finance, investment banking or IT sector. For example, as part of the programme you will complete modules in project management and finance, utilise UCL’s virtual trading room that uses Reuters’ electronic platform and receive guidance on how to work toward recognised certifications for the financial industries.

Recent career destinations* include:
// Analyst, J.P. Morgan
// Assistant Management Accountant, Network Rail
// Finance Intern, ZhongHui Futures
// Mergers and Acquisitions Intern, First Capital Partners
// Procurement Manager, Hellenic Army

Employability

The programme is delivered by leading researchers from across UCL, and students have plenty of opportunity to network and keep themselves informed about employment opportunities and skills required. Students are encouraged to participate in the UCL Financial Industry Series which organises high-impact conferences, debates and talks on financial topics, to pursue projects in industry and attend events organised by the UCL Finance community. Students also develop networks through the programme itself and through the department’s careers programme which includes employer-led events and individual coaching. This carefully designed programme is equipping our graduates with the skills and confidence needed to play a creative and leading role in the professional and research community.

* Careers data is taken from the ‘Destinations of Leavers from Higher Education’ survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university in engineering, physics or applied mathematics, or an overseas qualification of an equivalent standard. Strong mathematical and some programming skills are recommended.

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: Standard.

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.

Application fee: There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. More details about the application fee can be found at www.ucl.ac.uk/prospective-students/graduate/taught/application.

FEES AND FUNDING 2018/19 ENTRY

// UK: £12,380 (FT)
// EU: £12,380 (FT)
// Overseas: £25,350 (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.

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

APPLICATION DEADLINE

All applicants: 1 May 2018

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

CONTACT

Ms Louisa Ball, Programme Administrator

Email: graduate-info@meng.ucl.ac.uk

Telephone: +44 (0)20 7679 3907

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