CIVIL ENGINEERING MSc / 2017/18 ENTRY

www.ucl.ac.uk/graduate/cege
Civil Engineering MSc

This MSc aims to equip students with the skills of analysis and design necessary for employment as professional civil engineers, and give them a solid academic background for becoming chartered engineers. The programme combines traditional lectures with group projects and an individual research project in the student’s chosen specialist field. The Civil Engineering MSc at UCL now offers five additional routes.

**Degree summary**

Students develop advanced knowledge of civil engineering and associated engineering and scientific disciplines (structure dynamics, sustainable building design, transport, fluids, geotechnics, water and drainage, environmental and coastal engineering, planning and construction). They gain awareness of the context in which engineering operates, in terms of design, construction and the environment, alongside transferable skills, which leads to careers in industry and research.

UCL Civil, Environmental & Geomatic Engineering is an energetic and exciting multidisciplinary department with a tradition of excellence in teaching and research, situated within the heart of London.

This MSc reflects the broad range of expertise available within the department and its strong links with the engineering industry and places emphasis on developing skills within a teamwork environment. The programme provides a clear route to a professional career in civil engineering.

In addition, students wishing to combine the general MSc in Civil Engineering can now apply to one of five specialist pathways in related disciplines (Seismic Design, Environmental Systems, GIS, Surveying and Integrated Design).

The programme is delivered through lectures, tutorials, seminars, laboratory classes and field trips. The design project includes collective and individual studio work, while the research project includes laboratory, computational or fieldwork depending on the nature of the project. Assessment is through examinations, coursework, project reports and the research project.

**Accreditation**

This degree is accredited, as a Technical MSc, as meeting the requirements for Further Learning for a Chartered Engineer (CEng) for candidates who have already acquired a partial CEng accredited undergraduate first degree. See [www.jbm.org.uk](http://www.jbm.org.uk) for further information.

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**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years; Flexible: up to 5 years

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 a research project (60 credits).

**CORE MODULES**

- Advanced Soil Mechanics
- Advanced Structures
- Roads and Underground Infrastructure
- Project Management (Professional Development Module)

**OPTIONAL MODULES**

- Students choose four from the following:
  - Anatomy of a Railway
  - Applied Building Information Modelling
  - Building Engineering Physics
  - Coastal Engineering
  - Data Analysis
  - Engineering and International Development
  - Environmental Modelling
  - Environmental Systems
  - Finite Element Modelling and Numerical Methods
  - GIS Principles and Technology
  - Introduction to Seismic Design of Structures
  - Natural and Environmental Disasters
  - Principles and Practices of Surveying
  - Roads and Underground Infrastructure

Please note: combinations of different modules will be determined by timetable constraints.

**DISSERTATION/REPORT**

- All students undertake an independent research project, which culminates in a dissertation of approximately 12,000 words.
Your career

There are excellent employment prospects for our graduates. Civil Engineering graduates are readily employed by consultancies, construction companies and government departments.
Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in civil or structural engineering or a closely related subject, or an overseas qualification of an equivalent standard. Applicants with a good performance in the core subjects (design, structures, geotechnics, and fluids) or extensive work experience covering these areas may be considered. For non-civil or structural engineering candidates we offer a Graduate Diploma in Civil Engineering, recognised by our accrediting body (the Joint Board of Moderators), which can be used as a pre-qualifying year for the Civil Engineering MSc.

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.

When we assess your application we would like to learn:

// why you want to study Civil Engineering at graduate level
// why you want to study Civil Engineering at UCL
// what particularly attracts you to this programme
// how your personal, academic and professional background meets the demands of a challenging programme
// 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.

FEES AND FUNDING 2017/18 ENTRY

// UK: £11,800 (FT), £6,010 (PT)
// EU: £11,800 (FT), £6,010 (PT)
// Overseas: £24,610 (FT), £12,570 (PT)

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.

Fees for flexible, modular study are charged pro-rata to the appropriate full-time Master’s fee taken in an academic session.

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

APPLICATION DEADLINE

All applicants: 28 July 2017

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

CONTACT

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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