This programme bridges the complex network that is the construction industry, and trains a new breed of experts who exploit opportunities afforded by new and emerging manufacturing technologies in this context. It fully exploits The Bartlett’s unparalleled industry network and London location. Graduates will lead the paradigm shift that is taking place in building design and procurement.

Degree summary

This programme is built around design, fabrication and testing. Students will learn to locate their work in the historical and theoretical context of design for manufacture, will select from a range of analogue and digital skills that they wish to develop and will progress to undertaking advanced design, research and fabrication projects with support from leading academics and professionals.

The programme will be primarily located at the new UCL Here East Facility in London’s Olympic Park, with a design studio focus and outstanding CNC fabrication and robotics facilities. It will also benefit from a base on the UCL main campus in Bloomsbury.

Graduates will be well placed to take leading roles in industry or academia, exploiting emerging technologies and approaches to change the nature of design and construction.

The programme has been developed in liaison with industry partners including Arup, Foster and Partners, Laing O’Rouke and Price and Myers, who all have a longstanding relationship with The Bartlett.

The programme is delivered through design and fabrication tutorials, skills workshops, seminars, lectures, site visits, group working and (optional) field trip. Assessment is via design and skills portfolios, written coursework submissions and verbal presentations.

There is a field trip as an optional part of the programme.

Maximum cost to the student is £500.

No placement is offered as a part of the programme.

Degree structure

Mode: Full-time: 15 months; Flexible: 2-5 years

Location: London, Hackney Wick (Here East) and London, Bloomsbury

The programme runs for 15 months, commencing in September and completing in December of the following year.

Students undertake modules to the value of 180 credits. The programme consists of two core theory modules (30 credits), one skills module (30 credits), and two design thesis projects and a design thesis dissertation (120 credits).

CORE MODULES

- Introductory Design Workshops (15 credits)
- Contextual Theory: Design for Manufacture (15 credits)
- Skills Portfolio (30 credits)
- Design Thesis Portfolio, Initial Projects (30 credits)
- Design Thesis Portfolio, Final Project (60 credits)
- Design Thesis Written Dissertation (30 credits)

There are no optional modules for this programme.

RESEARCH PROJECT/DESIGN PROJECT

All students undertake a major design project, the ‘Design Thesis Portfolio, Final Project’ in combination with an individual research project, culminating in the ‘Design Thesis Written Dissertation’.

Your career
Graduates are likely to progress to further study and teaching, or roles in design and the built environment with some of the world’s leading architecture, engineering and construction companies.

Employability
The combination of networks, knowledge and technical expertise makes graduates of The Bartlett some of the most sought-after in the world. Graduates of this programme will leave with the skills and expertise that relate to a rapidly expanding and evolving sector in industry.
Entry requirements

A minimum of a lower second-class UK Bachelor’s degree in an appropriate subject or an overseas qualification of an equivalent standard. Applicants are also expected to have a strong portfolio of design and/or fabrication work. Applicants with extensive experience in the field may also be considered.

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.

We would also like to know:

- how your academic and practice background prepares you for this programme
- what you see as the main issues facing the construction industry today
- what you wish to gain from the programme in relation to future practice or academic pathways.

FEES AND FUNDING 2017/18 ENTRY

- UK: £10,710 (FT)
- EU: £10,710 (FT)
- Overseas: £21,960 (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.

Feas 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