LONDON’S GLOBAL UNIVERSITY

ARCHITECTURAL COMPUTATION MRes /
2017/18 ENTRY

www.ucl.ac.uk/graduate/architecture
The Architectural Computation MRes offers a self-directed route which concentrates on research skills, for those intending to take a doctoral degree or those looking to take their existing architecture and computating experience to a higher level. The programme can be taken alone or as the first year of the EngD VEIV.

**Degree summary**

On completion of the programme, students will be able to use computational techniques in architecture, understand and predict the consequences of their design actions through computational processes, integrate their predictions into the design process, and carry out self-sufficient research into new methods and processes.

The UCL Bartlett is the UK’s largest multidisciplinary Faculty of the Built Environment, bringing together dozens of scientific and professional specialisms required to research, understand, design, construct and operate the buildings and urban environments of the future. Located in London, it is at the heart of the world’s largest cluster of creative architects and engineering firms and has all the resources of a world city to hand.

The Architectural Computation programme at UCL offers a unique perspective on the application of technology to the built environment. The course team, drawn from the world-leading Space Syntax Laboratory, comprises both architects and experts in artificial intelligence.

The programme is delivered through a combination of lectures, workshops and seminars as well as individual and collaborative projects. Time is dedicated to studio sessions with experienced tutors who have a track record of research into architecture and computation. Assessment is through unseen examination, 3,000-word term paper and project reports.

**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of taught modules (30 credits), research skills modules (30 credits) and research projects (120 credits).

### CORE MODULES
- Computational Analysis
- Computational Synthesis
- Research Skills (A)
- Research Skills (B)
- Computational Research Project

### OPTIONAL MODULES
- Stand-alone MRes students take:
  - Extended Personal Research Project
- First-year EngD VEIV students take:
  - Interdisciplinary Group Project
  - Personal Research Project

### DISSERTATION/REPORT
- Students complete project reports for the research projects listed above.
Your career

After completing the programme, many graduates go on to join leading architectural and engineering practices, either directly with design teams or with specialist modelling groups. In the past three years, graduates have joined Foster and Partners, Zaha Hadid Architects, KPF Associates, Aedas, Arup and Mott MacDonald.

Employability

Our MRes concentrates on your research skills, offering a self-directed route if you are intending to undertake a doctoral degree or are looking to take your existing architecture and computing experience to a higher level. Alumni have joined (or founded) cutting-edge emerging digital design practices such as United Visual Artists and Moving Brands, or they have moved into academic research.
Entry requirements

The normal minimum qualifications are a second-class Bachelor's degree from a UK university or an overseas qualification of an equivalent standard. Candidates are expected to have some basic computing experience.

A second acceptable qualification is a degree of lower than second-class Honours standard, or an equivalent overseas qualification, in a subject appropriate to the programme, plus extensive background and experience in the field. The latter implies considerable experience as a professional at a senior level.

For applicants without a first degree or full professional membership, but with relevant and substantial work experience in the field, a special qualifying examination may be set. Details of this route can be obtained from the Bartlett's Graduate Faculty Office.

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 Architectural Computation at graduate level
- why you want to study Architectural Computation at UCL
- what particularly attracts you to the chosen programme
- how your academic and professional background meets the demands of this 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: £10,430 (FT)
- EU: £10,430 (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.

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

APPLICATION DEADLINE

Full-time: 28 July 2017
Part-time: 28 July 2017

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

CONTACT

Bartlett Graduate Faculty Clerk

Email: bartlett.pgclerk@ucl.ac.uk
Telephone: +44 (0)20 3108 9018/9004/9002

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

PDF Updated: January 18, 2017
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