Urban Sustainability and Resilience MRes /

The aim of this programme is to equip students from a variety of disciplinary backgrounds with the research skills, knowledge and understanding required to tackle current and future real-world challenges faced by cities globally, including increasing the resilience of our urban systems, and the infrastructure that supports them, to shocks arising from natural, economic and technological hazards.

**Degree summary**

Students will learn about the research process and research methodologies, and gain an understanding of policies, processes, technologies and materials available to shape future urban environments. Students can specialise by selecting modules from across a wide range of different topics and disciplines.

- The Centre for Urban Sustainability and Resilience (USAR) is based within UCL Civil, Environmental & Geomatic Engineering (CEGE) - a revolutionary department within UCL, distinguished by its radical thinking and interdisciplinary approach to research and teaching.
- Students work in a dynamic research environment that provides a critical mass of problem solvers and intellectual resources and offers excellent networking opportunities. USAR is an energetic and exciting environment which draws on staff from across the university.
- The programme combines innovative, transformative investigation with practical application to respond to the challenge of making the world a better place.

The programme is delivered through a combination of lectures, problem classes, workshops and projects. Assessment is through examinations, project reports, coursework and project presentations.

**Degree structure**

**Mode:** Full-time: 1 year; Part-time: 2 years; Flexible: 2-5 years
**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of one compulsory taught module (15 credits), one optional research skills module selected from an approved list (15 credits), two elective modules (30 credits) and a research project (120 credits).

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

### COMPULSORY MODULES

- Students must undertake CEGE0050 (below) and complete a research project (CEGE0047).
- Interdisciplinary Thinking in Urban Sustainability and Resilience (CEGE0050)
- MRes Urban Sustainability and Resilience: Research Project (CEGE0047)

### OPTIONAL MODULES (INDICATIVE LIST):

Students choose one optional module (15 credits) from an approved list of research skills modules.

- CEGE0044 Data Analysis
- CEGE0042 Spatial-Temporal Data Analysis and Data Mining (STDM)
- HPSC0122 Science Journalism
- SEC0041 Qualitative Research Methods
- CEGE0096 Geospatial Programming
- CEGE0097 Spatial Analysis and GeoComputation
- EDUC062 Researcher Professional Development
- CEGE0098 Advanced Research Writing

### DISSERTATION/RESEARCH PROJECT

- All students undertake an independent research project, which culminates in a dissertation of up to 20,000 words, and produce a presentation to be delivered at a dedicated event in September (120 credits).

The costs associated with course materials such as books will vary depending upon which modules you select. Some modules may also charge for field trips. You may need to cover the costs of thesis binding and there may be additional costs specific to your project.
Your career

Graduates may choose to enter employment as researchers within engineering, planning or consultancy firms and/or decide to undertake further study at PhD/EngD level.

Employability

Our focus throughout the programme of finding practical solutions to global urban challenges gives our alumni strong problem-solving skills, providing them with a distinct advantage as they enter their professional lives. The centre has well-established partnerships with global engineering companies such as Arup and Atkins, and strong links with NGOs and government agencies such as Habitat for Humanity and London Underground. Through these links, and the knowledge and experience our students gain of working across disciplines, we ensure that our students are able to engage with academics and industry, experts and non-experts alike on key urban sustainability and resilience issues.
Entry requirements

A minimum of an upper second-class Bachelor’s degree from a UK university in a subject appropriate to the chosen field, or an overseas qualification of an equivalent standard. Relevant subjects include, but are not limited to, engineering, science, social sciences, architecture, town planning, economics and geography.

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 Urban Sustainability and Resilience at graduate level
- why you want to study Urban Sustainability and Resilience at UCL
- what particularly attracts you to this programme
- why you want to learn about the research process and to learn through research
- how your academic and professional background meets the demands of this 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 2019/20 ENTRY

- UK: £5,210 (FT), £2,605 (PT)
- EU: £5,210 (FT), £2,605 (PT)
- Overseas: £24,450 (FT), £12,510 (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 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: 26 July 2019

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/brexit

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

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