ENERGY DEMAND STUDIES
MRes / 2017/18 ENTRY

www.ucl.ac.uk/graduate/energy
The MRes in Energy Demand Studies is designed to equip students for careers as professional researchers. Technical work is highly topical, focusing on energy demand in the built environment, and is complemented by the development of research and transferable skills.

**Degree summary**

The programme focuses on skills and knowledge required to undertake research in energy demand reduction in the built environment and comprises three strands: technical modules, transferable skills and research. Topics include thermodynamics, building physics, behaviour, energy systems, modelling, policy and economics. Transferable skills include writing, presenting and communicating with different stakeholders. Significant emphasis is placed on research and methodologies.

The UCL Energy Institute is a leading centre for research into energy demand and the built environment, a sector of increasing importance due to the challenges of climate change, energy affordability and energy security. Students undertaking the Energy Demand Studies MRes have the opportunity to undertake original research in a multidisciplinary environment and engage with top class researchers.

Research into demand and the built environment provides many challenges for researchers due to the complex interplay of people, buildings and economics. The unique multidisciplinary approach of the programme helps students develop into more complete individual researchers and effectively integrate into research teams.

Teaching sessions are highly interactive and led by experienced researchers. Students read key texts in advance of lectures and seminars to accelerate learning and focus sessions on research-oriented issues. Small group sizes, regular tutorials and supervision meetings combine to provide tailored support across a range of disciplines and research topics.

All students will attend a residential block week in Loughborough at the London-Loughborough Centre for Doctoral Research in Energy Demand at the start of term one. This will incur no additional costs for students.

**Degree structure**

Mode: Full-time: 1 year; Flexible: up to 5 years
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four technical modules (two valued at 15 credits each, two audited), two transferable skills modules (15 credits each), a guided research project (30 credits) and a dissertation research project (90 credits).

### TECHNICAL MODULES
- Energy Theory, Measurement and Interpretation
- Energy: Society, Economics and Policy
- Energy Demand in Context

### TRANSFERABLE SKILLS MODULES
- Research Concepts
- Communication Skills

### DISSERTATION/REPORT
- All students undertake a guided team research project, and an independent research project which culminates in a dissertation of 15,000 words.
Your career

The Energy Demand Studies MRes programme has been developed by experienced researchers to provide a superb grounding in the skills and knowledge required to pursue a research career in a range of sectors such as academia, government, consultancies, engineering companies and NGOs. To date, many of our students have gone on to gain funded PhD studentships at UCL-Energy and multinational organisations such as Parsons Brinckerhoff.

Employability

Having undertaken a significant original research project, our graduates are well equipped to apply their skills to a career in a research environment. Their technical knowledge combined with transferable skills, such as communication skills, project management and problem solving, are highly sought after in a wide range of careers. Our students gain access to networking events, career workshops and exclusive seminars held at the UCL Energy Institute.
Entry requirements

Normally a minimum of an upper second-class UK Bachelor’s degree in a relevant discipline or an overseas qualification of an equivalent standard. Applicants with an appropriate professional qualification and/or relevant work experience in addition to a first degree will 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 expect that all prospective students will be able to demonstrate:

// Good numeracy and literacy and an ability to present ideas clearly
// An appreciation of the importance of behaviour and society in energy demand
// An understanding/ability to learn basic physics and engineering concepts
// Strong performance in a science, engineering or social sciences discipline

Detailed knowledge of buildings and energy is not required to undertake the programme.

Original research is a primary focus of the programme and it is essential to ensure that our supervisory capabilities meet students’ needs - please provide a statement of the anticipated disciplinary focus of your research (e.g. physics, economics, social science, architecture) to enable us to check that we are likely to meet your supervisory needs.

FEES AND FUNDING 2017/18 ENTRY

// UK: £7,590 (FT)
// EU: £7,590 (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
Flexible/Modular: 1 September 2017

*Applicants who require a Tier 4 student visa will not be eligible to apply.

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

CONTACT

Ms Leila Tufekci, Programme Administrator
Email: bseer-studentqueries@ucl.ac.uk
Telephone: +44 (0)20 3108 59945

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

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