SUSTAINABLE ENERGY SYSTEMS MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
Offered in a dual-hemisphere mode this unique programme gives you the opportunity to study in both the UK and in Australia whilst providing different perspectives on the global energy sector. By taking an industry focused, multidisciplinary, systems approach we prepare you for pivotal roles to shape the future of the energy sector.

**Degree summary**

This 18-month programme is designed to provide you with a rigorous and comprehensive understanding of contemporary theory and practice in the sustainable management of the global energy industry.

With demand for energy on the rise, new disruptive technologies, potential resource supply issues and the need to move to a low carbon future, it is critically important to re-evaluate our current energy systems and move to more efficient and sustainable models.

In order to do this, it is important to take a systems view of energy and view these systems from many different perspectives. As part of this qualification, you’ll build on your knowledge of the energy sector and come to understand energy systems from several perspectives including – social, economic, political, legal, technical and scientific.

**Degree structure**

Mode: Full-time: 18 months

Location: London, Bloomsbury and Adelaide, Mawson Lakes

Sept 2019 to April 2020 will be spent at UCL in London, UK, April 2020 to March 2021 will be spent at UniSA in Adelaide, South Australia

Students undertake modules to the value of 240 UCL Credits (72 UniSa Units) The programme consists of 10 core modules (150 UCL credits/45 UniSA units), and two research projects (90 UCL credits/27 UniSA units).

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.

Students take 10 taught modules (1-10 in the list below) which are each 15 UCL credit units (4.5 UniSA units), the first 6 of these are taken in London.

The remaining 4 taught units and the research project component are delivered in Adelaide.

Research Project 1 is 30 UCL credit units (9 UniSA units)

Research Project 2 is 60 UCL credit units (18 UniSA units)

- Renewable Energy*
- Law for Energy and Resources*
- Research Methods - Qualitative*
- Resource Development and Sustainable Management*
- International Policy and Geopolitics of Energy*
- Research Methods - Quantitative*
- Social License to Operate
- Energy Management and Conservation

*modules marked with an asterisk are taken in London.
Your career

You’ll graduate with a broad understanding of energy systems, and how they can be developed to meet growing global demand in a long-term sustainable way. This will put you in a position to create systems that deliver reliable, sustainable energy.

Students on the previous version of this degree have found careers in energy modelling, energy consultancy, project management, business development in both industry, government and the not-for-profit sector.
Entry requirements

A minimum of an upper second-class Bachelor’s degree in a quantitative discipline from a recognised UK university or a non-UK qualification of an equivalent standard. Relevant disciplines will typically be in the field of mathematics or computer science. Assumed knowledge: first year of a mathematics degree or equivalent (multivariate calculus, linear algebra, introductory statistics, probability). Students should be comfortable with a high level of programming in a language such as python.

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

Applications are processed by UniSA. Please note you are not required to submit an application to UCL for this programme. Citizens of countries other than Australia and New Zealand please apply via the blue Apply now button below. Australian and New Zealand citizens please apply here.

When we assess your application we would like to learn:

- why you want to study Sustainable Energy Systems at graduate level
- why you want to study Sustainable Energy Systems at UCL
- what particularly attracts you to this programme
- how your academic, professional and personal 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: £See Fees Note (FT)
EU: €See Fees Note (FT)
Overseas: £See Fees Note (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 Students website.

The fees for this programme are set in AUD and payable to UniSA.

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

PDF Updated: January 29, 2019
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