REMOTE SENSING AND ENVIRONMENTAL MAPPING
MSc / 2018/19 ENTRY

www.ucl.ac.uk/graduate/geography
The degree is the leading Master's programme in remote sensing and environmental mapping available in the UK. It offers the opportunity to study at an advanced level the ways in which remote sensing from ground-based to spaceborne platforms may be used to collect environmental information about the terrestrial biosphere, atmosphere, oceans and cryosphere at a range of scales and across wavelengths.

**Degree summary**

Students develop an all-round knowledge of remote sensing, mapping and data analysis, including fundamental principles, current technological developments and applications to local, regional and global problems. They gain highly developed, marketable practical skills to enable them to take leading roles in academic, government and industrial sectors.

- The MSc is run by UCL Geography, which enjoys an outstanding reputation for its research and teaching, and has a long pedigree in producing highly employable graduates for industry, research, policy and many other areas.

- A distinctive feature of the programme is its intercollegiate nature which exposes students to a range of university departments and expertise across fields including terrestrial vegetation and carbon stocks, solid earth and geology, fire impacts, new sensor technology and ocean processes.

- The degree is integrated with other Geography MSc programmes providing greater flexibility when choosing optional modules.

The programme is delivered through a combination of lectures, demonstrations, individual and group coursework, and compulsory computer training. Student learning is supported by tutorials, transferable skills training and research supervision throughout the year. Assessment is through unseen written examinations, coursework, dissertation and an oral presentation.

**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 four core modules in term one (60 credits), four optional modules in term two (60 credits) and a research project in term three (60 credits).

A Postgraduate Certificate (60 credits), full-time 12 weeks, flexible study up to two years is offered.

### CORE MODULES
- Analytical and Numerical Methods
- Scientific Computing
- Mapping Science
- Principles and Practice of Remote Sensing

### OPTIONAL MODULES
- Terrestrial Carbon: Modelling and Monitoring
- Global Monitoring of Environment and Society
- Airborne Data Acquisition
- Image Understanding
- Ocean and Coastal Zone Management
- Terrestrial Data Acquisition
- Climate Modelling

### DISSERTATION/REPORT
- All students undertake an individual research project. The department has links with industry, and projects may be carried out in collaboration with organisations outside UCL.
Your career

Graduates find jobs in diverse companies: from consultancies carrying out environmental and spatial analysis through to major international geospatial companies, or government and government-affiliated agencies. The programme is also suitable training for those wishing to undertake higher level work as a prelude to a PhD in a quantitative environmental discipline.

Recent career destinations* include:

- Remote Sensing Analyst, British Antarctic Survey
- Remote Sensing Service Provider, Jacques Malaprade.
- Research Scientist, National Physical Laboratory
- Image Analyst, Civil Service
- PhD in Geography, University of Cambridge

Employability

The range of generic, transferable skills provided by the degree programme are attractive to a range of employers. Students gain a fundamental understanding of the key principles of remote sensing, mapping, environmental data handling and analysis, as well as the ability to communicate their ideas. Such skills and knowledge are applicable across a wide range of careers. The long heritage of the programme - over 30 years - and its interdisciplinary, intercollegiate nature provides students with a unique perspective, not just from UCL, but across the wider world of remote sensing, mapping and environmental science.

* Careers data is taken from the ‘Destinations of Leavers from Higher Education’ survey undertaken by HESA looking at the destinations of UK and EU students in the 2013-2015 graduating cohorts six months after graduation.
Entry requirements

A minimum of a second-class UK Bachelor's degree in a relevant discipline or overseas qualification of equivalent standard (e.g. oceanography, marine studies, geography, civil engineering, geology, mathematics, and physics) is required. Relevant work experience 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: 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 Remote Sensing and Environmental Mapping
// why you want to study Remote Sensing and Environmental Mapping at UCL
// what particularly attracts you to this programme
// how your academic and/or professional background meets the demands of a challenging academic environment
// 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.

Application fee: There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. More details about the application fee can be found at
www.ucl.ac.uk/prospective-students/graduate/taught/application.

FEES AND FUNDING 2018/19 ENTRY

// UK: £10,410 (FT), £5,240 (PT)
// EU: £10,410 (FT), £5,240 (PT)
// Overseas: £21,160 (FT), £10,740 (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 Current Students website.

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

APPLICATION DEADLINE

All applicants: 27 July 2018

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

CONTACT

Application procedure

Email: geog-masters@ucl.ac.uk

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

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.