The Environmental Mapping MSc is designed to appeal to students looking to map and understand the environment. It provides the opportunity to study at an advanced level the ways in which spatial data can be collected, processed and analysed to qualify and understand environmental issues across a wide range of applications.

**Degree summary**

Students receive core training in mapping science, analytical methods, geographic information systems (GIS), image processing, and other fundamentals of geomatics. They develop techniques for the acquisition of data including satellite remote sensing, global navigation satellite systems (GNSS) and LIDAR, alongside techniques for the analysis, processing, interpretation, and display of spatial data.

- 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.
- This MSc offers students an all-round knowledge of monitoring methods and environmental understanding, including the fundamental principles, and current technological developments and applications to local, regional and global problems.
- Graduates of the programme are equipped with highly developed practical skills to enable them to take leading roles in academic, governmental or industrial sectors. The degree is integrated with other Geography MSc programmes to provide greater flexibility when choosing optional modules.

The programme is delivered through a combination of lectures, demonstrations, tutorials, transferable skills training, compulsory computer training and research supervision. Assessment is through unseen written examinations, coursework, and a dissertation (including a poster 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 six core modules (60 credits), optional modules (60 credits) and a research project (60 credits).

A Postgraduate Certificate (60 credits), full-time 12 weeks, part-time one year is offered.

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

**OPTIONAL MODULES**
- Options may include the following:
  - Climate Modelling
  - Airborn Data Acquisition
  - Surface Water Modelling
  - Terrestrial Carbon: Monitoring and Modelling
  - Global Monitoring of Environment and Society
  - Image Understanding

**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

The MSc will appeal to individuals interested in developing research training while acquiring vocational skills for work in mapping and monitoring positions in public and private sector institutions. The quantitative skills the degree provides have proved attractive to employers, particularly the grounding in programming, data handling and analysis, image processing and report writing. These skills are generic and have allowed graduates to go into a range of careers in mapping and spatial analysis but also areas such as conservation and management and policy. Environmental Mapping graduates find jobs in diverse companies from consultants and NGOs carrying out environmental and spatial analysis, and governmental and government-affiliated agencies such as DECC and the National Physical Laboratory. The programme is also a suitable training for those wishing to undertake higher-level work as a prelude to a PhD.

Employability

The range of generic, transferable skills provided by the programme has proved to be attractive to a range of employers. Students acquire fundamental understanding of the key principles of mapping and data handling and analysis, as well as the ability to communicate their ideas. These principles can and are applicable across a wide range of career options. The interdisciplinary, intercollegiate nature of the degree gives students a unique perspective, not just at UCL, but across the wider world of mapping and environmental science.
Entry requirements

A minimum of a second-class UK Bachelor's degree in a relevant discipline or an overseas equivalent (e.g. oceanography, marine studies, geography, civil engineering, geology, mathematics, physics). Relevant work experience will 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 Environmental Mapping
// why you want to study 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.

FEES AND FUNDING 2017/18 ENTRY

// UK: £10,110 (FT), £5,085 (PT)
// EU: £10,110 (FT), £5,085 (PT)
// Overseas: £20,540 (FT), £10,430 (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: 28 July 2017

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