This four-year programme offers an additional year on top of the Geology BSc, in which students extend their knowledge and understanding through advanced study and undertake an independent research project. The programme is fully accredited by the Geological Society of London.

**Key information**

**Programme starts**
September 2019

**Location**
London, Bloomsbury

**Degree benefits**

// Approximately three months of field classes in the UK and continental Europe and independent field mapping projects in Scotland, southern France and Spain, with financial support from the department.

// The programme is fully accredited by the Geological Society of London.

// World-leading research in mineral, ice and rock physics, and in geophysical hazards, and paleoenvironmental analysis is undertaken in the department and is used in the development of our modules.

// World-class facilities include hosting the UK's only NASA Regional Planetary Image Facility, use of the UCL (formerly University of London) Observatory, and collaboration with the Natural History Museum.

**Accreditation**

This programme is accredited by the Geological Society. Undergraduate students may join the Geological Society as a Candidate Fellow and can become a Fellow of the Society upon graduation. A Fellow of the Society with relevant postgraduate experience in the practice of geology has the opportunity to apply for Chartered Geologist (CGeol) status.

**Degree structure**

In each year of your degree you will take a number of individual modules, normally valued at 15 or 30 credits, adding up to a total of 120 credits for the year. Modules are assessed in the academic year in which they are taken. The balance of compulsory and optional modules varies from programme to programme and year to year. A 30-credit module is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

Together with subject-specific skills, the Geology MSci also provides a strong intellectual and practical platform for those who wish to pursue non-geological careers as it integrates a wide range of ideas from many different scientific disciplines, including chemistry, physics and biology, and provides training in the application of scientific methods and knowledge to complex problems.

The programme includes: studies of the nature of rocks and minerals, their mode of origin and environment of formation; the study of past life and palaeoenvironments; the physics and chemistry of the Earth; major Earth processes such as plate tectonics and mountain building (tectonics).

The first and second years develop core skills and knowledge in the subject. The third year provides opportunities for specialisation and diversification, with an emphasis on individual initiative and problem-based learning. During fieldwork students learn to apply and develop independent and team skills and problem-solving abilities which complement and build upon lectures and laboratory-based coursework, whilst being exposed to the true complexity of natural geological problems.

The first three years of the MSci programmes are identical to the BSc programmes. However, the additional fourth year of the MSci allows for an individual research project and advanced optional modules, providing extra depth and breadth of knowledge.

### YEAR ONE

**Core or compulsory module(s)**

// Dynamic Earth
Earth Materials
From Petrology to Petrogenesis (including Cornwall fieldwork)
Geochemistry
History of Life
Surface Processes (including Dorset/Devon fieldwork)
The Earth

**Optional modules**

// You will select 15 credits from the following:
// Foundations of Physical Geoscience
// Mathematics
// Science Communication and Public Engagement
// Revealing Science

### YEAR TWO

**Core or compulsory module(s)**

// Global Geophysics
// Igneous Petrology
// Isotope Geology
// Maps, Images and Structures (including fieldwork)
// Structural Geology and Tectonics
// Surface Processes and Structures (including fieldwork)
// Vertebrate Palaeontology and Evolution

**Optional modules**

// You may select 15 credits from the following:
// Principles of Climate
// Numerical Methods
// Evolution in Science and Culture
// Engaging the Public with Science
Data 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 LEVELS
Standard Offer: AAB. Two sciences preferred.
Contextual Offer: BBB. Two sciences preferred.

GCSE
English Language and Mathematics at grade C or 5. For UK-based students, a grade C or 5 or equivalent in a foreign language (other than Ancient Greek, Biblical Hebrew or Latin) is required. UCL provides opportunities to meet the foreign language requirement following enrolment, further details at: www.ucl.ac.uk/ug-requirements

IB DIPLOMA
Standard Offer: 36. A score of 17 points in three higher level subjects to preferably include two sciences, with no score lower than 5.
Contextual Offer: 32. A score of 15 points in three higher level subjects to preferably include two sciences, with no score lower than 5.

CONTEXTUAL OFFERS – ACCESS UCL SCHEME
As part of our commitment to increasing participation from underrepresented groups, students may be eligible for a contextual offer as part of the Access UCL scheme. For more information see www.ucl.ac.uk/prospectus

OTHER QUALIFICATIONS
UCL considers a wide range of UK and international qualifications for entry into its undergraduate programmes. Full details are given at: www.ucl.ac.uk/otherquals

UNDERGRADUATE PREPARATORY CERTIFICATES (International foundation courses)
UCL Undergraduate Preparatory Certificates (UPCs) are intensive one-year foundation courses for international students of high academic potential who are aiming to gain access to undergraduate degree programmes at UCL and other top UK universities.

Typical UPC students will be high achievers in a 12-year school system which does not meet the standard required for direct entry to UCL.

For more information see: www.ucl.ac.uk/upc.

TUITION FEES
The fees indicated are for undergraduate entry in the 2019/20 academic year. The UK/EU fees shown are for the first year of the programme at UCL only. Fees for future years may be subject to an inflationary increase. The Overseas fees shown are the fees that will be charged to 2019/20 entrants for each year of study on the programme, unless otherwise indicated below.

// UK & EU: £9,250 (2019/20)
// Overseas: £26,740 (2019/20)

Full details of UCL’s tuition fees, tuition fee policy and potential increases to fees can be found on the UCL Students website.

Additional costs
Students will be required to pay for transportation to overseas field trips and food. (The department covers accommodation and transport costs in the UK.)

FUNDING
Various funding options are available, including student loans, scholarships and bursaries. UK students whose household income falls below a certain level may also be eligible for a non-repayable bursary or for certain scholarships. Please see the Fees and funding pages for more details.

CONTACT
Dr Pieter Vermeesch

Email: earthsci@ucl.ac.uk

Telephone: +44 (0)20 3108 6369

Department: Earth Sciences

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/ucl-and-europe

Disclaimer
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 Undergraduate Prospectus at www.ucl.ac.uk/prospectus