

Why Study Geoscience?

This MSc is a uniquely broad and flexible programme that suits students' aspirations, background and experience. UCL Earth Sciences has strengths in geophysics, geochemistry, palaeobiology, mineral physics, geodynamics, geohazards, climate science, environmental geosciences and policy, and other areas. Students choose from a wide range of optional modules from within the department and more widely across UCL, building an MSc tailored to their interests.

Your Career

The MSc in geosciences has a very successful track record in terms of postgraduate employment at a professional level. Based on the past few years, approximately one third of our graduates achieve employment in an Earth sciences related industry, approximately one third obtain PhD positions within the Earth sciences or related fields, and approximately one third go into non-Earth sciences professions such as teaching, journalism, etc.

Degree summary

The programme integrates theoretical studies with essential practical skills in the Earth sciences, both in the field and in the laboratory. Students develop the ability to work on group projects, prepare written reports, acquire oral skills and gain training in the methods of scientific research.

// UCL Earth Sciences is engaged in world-class research into the processes at work on and within the Earth and planets.

// Graduate students benefit from our lively and welcoming environment and world-class facilities.

The programme is delivered through a combination of lectures, seminars, tutorials, laboratory and fieldwork exercises. Student performance is assessed through coursework, written assignments, unseen written examination and the dissertation.

Cover Photo: Department of Earth Sciences foyer by Bridget Wade.

LONDON'S GLOBAL UNIVERSITY



UCL



UCL Department of Earth Sciences

Degree Structure

Full time: 1 year. Part-time: 2 years.

Students take modules to the value of 180 credits, consisting of three core modules (45 credits), five optional taught modules (75 credits) and an independent research project (60 credits).

Core modules.

- Project Proposal
- Earth and Planetary Systems Science
- Statistics for Geoscientists (new module, replaces Research Methods)

Optional modules.

- Geology for Global Managers & Engineers
- Sustainable Management of the Environment
- Physical Volcanology & Volcanic Hazard
- Palaeoceanography
- Crustal Dynamics, Mountain Building & Basin Evolution*
- Earth Resources & Sustainability
- Earth & Planetary Materials
- Advanced Biodiversity & Macroevolutionary Studies
- Melting & Volcanism
- Earthquake Seismology & Earthquake Hazard
- Palaeoclimatology*
- Deep Earth & Planetary Modelling

New modules for 2020

- Origin of Life & Exobiology
- Advanced Geochemistry
- Numerical Modelling of Mantle Dynamics for Terrestrial Planets
- Ocean Physics & Climate Change

Note options may be changed or modified. Students may also take two modules (30 credits) from another department.

* These modules include a fieldtrip. Students are expected to pay for travel to the field area and subsistence. The department covers accommodation and in field transport.

Independent Research Project.

All students undertake an independent research project which culminates in a dissertation of approximately 10,000–12,000 words. Research projects are designed in collaboration with prospective supervisors. Excellent opportunities are available for both desk-top, laboratory and field investigations.

Further details can be found at:

<https://www.ucl.ac.uk/prospective-students/graduate/taught-degrees/geoscience-msc>

or contact **Professor Bridget Wade** email: b.wade@ucl.ac.uk.

Details of how to **apply** can be found at: <https://www.ucl.ac.uk/prospective-students/graduate/applying-graduate-study>

Details of current **fees** and the **application deadline** can be found at:

<https://www.ucl.ac.uk/prospective-students/graduate/taught-degrees/geoscience-msc>

Scholarships: UCL offers a selection of scholarships for supporting postgraduate studies. Details can be found at: www.ucl.ac.uk/scholarships

Entry Requirements

Normally a minimum of a second class Honours degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard*. Applicants with lower qualifications may be admitted if evidence of an adequate academic background and appropriate experience can be shown.

*Overseas applicants can find the equivalent degree levels in their country at:

<http://www.ucl.ac.uk/prospective-students/international/countries>

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.

Information about the evidence required, acceptable qualifications and test providers can be found at: www.ucl.ac.uk/graduate/english-requirements. The level of proficiency for this programme is: **Standard**.

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:

- What attracts you to studying Geoscience at graduate level.
- Why you want to study at UCL.
- How your academic and professional background meets the demands of this programme.
- Where you would like to go professionally with your degree:

Remember, your personal statement is **your opportunity** to show how your reasons for applying match what the programme will deliver.