UNIVERSITY OF LIVERPOOL

BSc (Hons)

Environmental Geoscience

UCAS code F7F6

Entry requirements	Study mode	Duration	
A level: ABB	Full-time	3 years	Apply by: **30 June 2026** Starts on: **28 September 2026**

About this course

Study Environmental Science at Liverpool and become part of the solution in tackling climate change and other environmental challenges. You'll gain the skills necessary to understand how the most important aspects of planet Earth work, and how to apply that knowledge to make a difference.

Introduction

To save the planet, we need to understand the planet. You will develop key knowledge and skills to help tackle the effects of climate change and ensure a sustainable environment for all.

You'll graduate with a broad knowledge of environmental science, and a range of skills spanning problem solving, numeracy and coding, field work, data acquisition, and report writing and communication skills, all designed to equip you for a career helping maintain a sustainable environment on our planet.

You will be taught by research-active staff, at the forefront of their chosen fields, within small groups for a collaborative and conversational experience.

By the time you graduate, our extensive field training will have equipped you with the specific practical skills necessary for a career in Earth Sciences.

A number of the School's degree programmes involve laboratory and field work. Fieldwork is carried out in various locations, ranging from inner city to coastal and mountainous environments. We consider applications from prospective disabled students on the same basis as all other students, and reasonable adjustments will be considered to address barriers to access.

What you'll learn

- How to practically apply knowledge to make a real-world difference
- Problem solving
- How to present and communicate clearly
- Teamwork
- How to confidently use industry-standard research equipment
- How to undertake research and field work

Accreditation

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status.

Accreditation in detail

Geological Society of London

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Course content

Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

Year one

ENVS117 is a compulsory module for those without A level Maths or Physics at grade C or above. You should discuss this with your programme director at the start of the academic session.

Modules

Compulsory modules	Credits
EXPERIMENTS IN PHYSICAL GEOGRAPHY (ENVS120)	15
SEDIMENTARY ROCKS AND FOSSILS (ENVS118)	15
INTRODUCTION TO FIELD GEOLOGY (ENVS109)	15
INTRODUCTION TO STRUCTURAL GEOLOGY AND GEOLOGICAL MAPS (ENVS156)	15
STUDY SKILLS AND GIS (EARTH SCIENCE) (ENVS101)	15
EARTH MATERIALS (ENVS185)	15

Optional modules	Credits
EARTH STRUCTURE AND PLATE TECTONICS (ENVS112)	15
THEORY AND LABORATORY EXPERIMENTS IN EARTH SURFACES PROCESSES	15

Optional modules	Credits
(ENVS165)	
ESSENTIAL MATHS (ENVS117)	15
CLIMATE, ATMOSPHERE AND OCEANS (ENVS111)	15
INTRODUCTION TO CLIMATE CHANGE AND MITIGATION (ENVS189)	15

Programme details and modules listed are illustrative only and subject to change.

Year two

Modules

Compulsory modules	Credits
APPLIED GEOPHYSICS (ENVS216)	15
SEDIMENTARY PROCESSES AND DEPOSITIONAL ENVIRONMENTS (ENVS219)	15
ENVIRONMENTAL GEOPHYSICS (ENVS258)	15
GEOMORPHOLOGY: ICE, SEA AND AIR (ENVS252)	15
RESEARCH SKILLS (EARTH SCIENCE) (ENVS200)	15
FIELD MAPPING TECHNIQUES (ENVS293)	15
VOLCANOLOGY AND GEOHAZARDS (ENVS284)	15

Optional modules	Credits
CATCHMENT HYDROLOGY (ENVS217)	15
CHANGING ENVIRONMENTS (ENVS214)	15
STRUCTURAL GEOLOGY AND INTERPRETATION OF GEOLOGICAL MAPS (ENVS263)	15
EARTH AND ENVIRONMENTAL DATA SCIENCE (ENVS229)	15

Programme details and modules listed are illustrative only and subject to change.

Year three

In year 3 you will carry out an independent research project on a topic and location of your choice.

ENVS300 is a research project that can take place in the field, laboratory or a combination. If students choose a geological field mapping project, data collection in the field will take place in summer between Years 2 and 3. If students choose a laboratory project, data can be collected in the summer between Years 2 and 3 and during Semester 1 of year 3. Report write-up will take place in Semester 1 and 2.

Students must select one field class module from ENVS362 and ENVS375.

Modules

Compulsory modules	Credits
THE LIVING, EVOLVING EARTH (ENVS320)	15
EARTH SCIENCE PROJECT (ENVS300)	30
APPLIED ENVIRONMENTAL GEOSCIENCE (ENVS331)	15

Optional modules	Credits
HUMAN-ENVIRONMENTAL INTERACTIONS (ENVS315)	15
MINERAL RESOURCES (ENVS326)	15
GEOENERGY (ENVS337)	15
ENGINEERING GEOLOGY AND HYDROGEOLOGY (ENVS338)	15
CLIMATE CHANGE - A CRITICAL REVIEW (ENVS389)	15
MODELLING ENVIRONMENTAL SYSTEMS (ENVS397)	15
GEOPHYSICS FIELD SCHOOL (ENVS362)	15
APPLIED GEOLOGY AND GEOHAZARDS OF THE CANARY ISLANDS (ENVS375)	15
POLITICS OF THE ENVIRONMENT (ENVS325)	15

Programme details and modules listed are illustrative only and subject to change.

Teaching and assessment

How you'll learn

Teaching takes place through a mix of lectures, practical work, workshops, seminars, tutorials and fieldwork, with an emphasis on learning through doing. Students value the learning opportunities provided by field classes, including the rapid and detailed feedback on performance.

You will typically receive 15-20 hours of formal teaching each week, and complete between 50 and 100 days of residential fieldwork over the course of the programme. All research projects are supervised by a member of staff who will meet with you on a weekly, or more frequent, basis.

Field work is carried out in various locations, ranging from inner city to coastal and mountainous environments. We consider applications from prospective students with disabilities on the same basis as all other students, and reasonable adjustments will be considered to address barriers to access.

How you're assessed

Assessment matches the learning objectives for each module and may take the form of written exams, practical laboratory and computer examinations, coursework submissions in the form of essays, scientific papers, briefing notes or lab/field notebooks, reports and portfolios, oral and poster presentations and contributions to group projects, and problem-solving exercises. Assessment is via tasks that mirror those graduate students are likely to undertake working as professional geoscientists. For example, generating and interpreting quantitative spatial data, with appropriate consideration of inherent uncertainty, is a key task and necessary skill for professional environmental geoscientists, and this skill is developed and assessed on several programme modules, especially field and lab-based modules. As well as being authentic in terms of the underlying purpose of the assessed task, assessment tasks are also authentic in terms of format, intended audience, resources used, and collaborative team elements. For example, team-based environmental assessment work with professional format delivery appropriate for presentation to management-level colleagues using state-of-the-art field, lab or IT resources is central to assessments in field classes.

Liverpool Hallmarks

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.

The Liverpool Curriculum framework sets out our distinctive approach to education. Our teaching staff support our students to develop academic knowledge, skills, and understanding alongside our **graduate attributes**:

- Digital fluency
- Confidence
- Global citizenship

Our curriculum is characterised by the three **Liverpool Hallmarks**:

- Research-connected teaching
- Active learning
- Authentic assessment

All this is underpinned by our core value of **inclusivity** and commitment to providing a curriculum that is accessible to all students.

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Careers and employability

The skills gained through studying a degree in Environmental Geoscience are applicable in many areas of employment, from environmental protection and consultancy, planning and conservation, through to the geotechnical, mineral and energy resource industries, as well as careers in scientific research or academia.

Many Environmental Geoscience graduates move on to have careers working for employers such as:

- Geological Surveys in the UK and abroad
- Hydrocarbon and support industries
- Engineering and environmental consultancies
- Mining and related industries.

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Fees and funding

Your tuition fees, how to pay, and other costs to consider.

Tuition fees

UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)

Full-time place, per year - £9,790
Year in industry fee - £1,955
Year abroad fee - £1,465 (applies to year in China)

International fees

Full-time place, per year - £32,000
Year in industry fee - £1,955
Year abroad fee - £16,000 (applies to year in China)

The fees shown are for the academic year 2026/27. Please be advised that tuition fees may increase each year for both UK and international students. For UK students, this will be subject to the government's regulated fee limits.

Tuition fees cover the cost of your teaching, assessment, operating University facilities such as libraries, IT equipment, and access to academic and personal support.

Additional costs

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This could include expenses such as field clothing and sustenance (food and drinks) during fieldwork.

Find out more about the additional study costs that may apply to this course.

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Entry requirements

The qualifications and exam results you'll need to apply for this course.

A levels

ABB
Including one science Acceptable sciences: Mathematics, Further Mathematics, Physics, Chemistry, Biology, Geology, Geography, Environmental Science, Applied Science, Use of Mathematics. For applicants from England: For science A levels that include the separately graded practical endorsement, a "Pass" is required.

Applicants with the Extended Project Qualification (EPQ) are eligible for a reduction in grade requirements. For this course, the offer is **BBB** from A levels, with **A** in the EPQ.

You may automatically qualify for reduced entry requirements through our contextual offers scheme. Based on your personal circumstances, you may automatically qualify for up to a two-grade reduction in the entry requirements needed for this course. When you apply, we consider a range of factors – such as where you live – to assess if you're eligible for a grade reduction. You don't have to make an application for a grade reduction – we'll do all the work.

Find out more about how we make reduced grade offers.

T levels

T levels are not currently accepted.

GCSE

4/C in English and 4/C in Mathematics

BTEC

BTEC Level 3 Diploma: D*DD in relevant Diploma
BTEC National Diploma: DD in relevant subject plus grade B at A level (to include one science)
BTEC National Extended Certificate: Distinction plus BB at A level (to include one science)

International Baccalaureate

32 points overall with no score less than 4 and including 5 in one HL science subject, or pass the IB Diploma plus 6,5,5 in three HL subjects including one HL science subject.

Irish Leaving Certificate

H1, H2, H2, H2, H3, H3 including H2 or above in one science

Scottish Higher/Advanced Higher

ABB in Advanced Highers including one science subject

Welsh Baccalaureate Advanced

B in the Welsh Baccalaureate, plus AB at A level (including one science subject).

Access

Pass Access to HE Diploma in a relevant subject with 45 Level 3 credits, with 33 at Distinction (including 15 credits in one science subject) and 12 at Merit.

International qualifications

Select your country or region to view specific entry requirements.

If you hold a bachelor's degree or equivalent, but don't meet our entry requirements, you could be eligible for a Pre-Master's course. This is offered on campus at the University of Liverpool International College, in partnership with Kaplan International Pathways. It's a specialist preparation course for postgraduate study, and when you pass the Pre-Master's at the required level with good attendance, you're guaranteed entry to a University of Liverpool master's degree.

Alternative entry requirements

- If your qualification isn't listed here, or you're taking a combination of qualifications, contact us for advice
- Applications from mature students are welcome.

English language requirements

You'll need to demonstrate competence in the use of English language, unless you're from a majority English speaking country.

We accept a variety of international language tests and country-specific qualifications.

International applicants who do not meet the minimum required standard of English language can complete one of our Pre-Sessional English courses to achieve the required level.

IELTS

6.0 overall, with no component below 5.5

TOEFL iBT

If you took a TOEFL test on or before 20 January 2026, you'll need 78 overall, with minimum scores of listening 17, writing 17, reading 17 and speaking 19. If you took a TOEFL test from 21 January 2026 onwards, when a new scoring system was introduced, you'll need 4 overall, with 4 or above in all components. TOEFL Home Edition not accepted.

Duolingo English Test

115 overall, with speaking, reading and writing not less than 105, and listening not below 100

Pearson PTE Academic

59 overall, with no component below 59

LanguageCert Academic

65 overall, with no skill below 60

Cambridge IGCSE First Language English 0500

Grade C overall, with a minimum of grade 2 in speaking and listening. Speaking and

listening must be separately endorsed on the certificate.

Cambridge IGCSE First Language English 0990

Grade 4 overall, with Merit in speaking and listening

Cambridge IGCSE Second Language English 0510/0511

0510: Grade C overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0511: Grade C overall.

Cambridge IGCSE Second Language English 0993/0991

0993: Grade 5 overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0991: Grade 5 overall.

Cambridge ESOL Level 2/3 Advanced

169 overall, with no paper below 162

International Baccalaureate English A: Literature or Language & Literature

Grade 4 at Standard Level or grade 4 at Higher Level

International Baccalaureate English B

Grade 6 at Standard Level or grade 5 at Higher Level

Pre-sessional English

Do you need to complete a Pre-sessional English course to meet the English language requirements for this course?

The length of Pre-sessional English course you'll need to take depends on your current level of English language ability.

Pre-sessional English in detail

If you don’t meet our English language requirements, we can use your most recent IELTS score, or the equivalent score in selected other English language tests, to determine the length of Pre-sessional English course you require.

Use the table below to check the course length you're likely to require for your current English language ability and see whether the course is available on campus or online.

Your most recent IELTS score	Pre-sessional English course length	On campus or online
5.5 overall, with no component below 5.5	6 weeks	On campus or online
5.5 overall, with no component below 5.0	10 weeks	On campus or online
5.0 overall, with no component below 5.0	12 weeks	Online
5.0 overall, with no component below 4.5	20 weeks	On campus
4.5 overall, with no component below 4.5	30 weeks	On campus
4.0 overall, with no component below 4.0	40 weeks	On campus

If you’ve completed an alternative English language test to IELTS, we may be able to use this to assess your English language ability and determine the Pre-sessional English course length you require.

Please see our guide to Pre-sessional English entry requirements for IELTS 6.0 overall, with no component below 5.5, for further details.

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