



UNIVERSITY  
of  
GREENWICH | Natural  
Resources  
Institute

# Environmental Science

BSc Hons



## Why study this programme?

In addition to the increasing demand for environmental scientists, professionals across a wide range of careers in the public and private sectors must be able to demonstrate that they are environmentally aware, understand how environmental concerns relate to their jobs, and are capable of decision making consistent with the concept of sustainability.

This programme is constructed around the concept that sustainability is one of the most important concerns of contemporary society. It also provides a clear route into employment as an environmental scientist or an environmentally informed professional.

You will learn about the underlying causes of environmental problems and will be presented with possible solutions from a range of scientific, technological and societal perspectives.

You will graduate from the programme able to document human impact on the landscape, explore environmental conflicts and issues, and manage the environment sustainably. The final-year dissertation will give you a unique opportunity to study a topic of particular interest to you in considerable depth.

You should apply for this programme if you are interested in:

- Learning more about the causes of and solutions to a wide range of environmental issues, such as global warming, environmental conservation, pollution and resource management
- A career in an environment-related area (see 'Career opportunities').

The programme will enable you to develop a range of skills to help you prepare either for employment or for further study for higher degrees.

Our programmes combine vocational training and theoretical understanding and have strong links with local industries and international development projects.

## Why study with us?

The programme team is a combination of scientists working within the Natural Resources Institute (NRI), which is a unique multidisciplinary centre of excellence focused on global food security, sustainable development and poverty reduction, and staff from the Department of Pharmaceutical, Chemical & Environmental Sciences. Together we offer a diverse range of programmes underpinned by excellent teaching and world-class research.

Our innovative degrees employ the very latest learning strategies and assessment techniques. They are designed to produce fully qualified graduates with all the skills necessary to secure employment.



Teaching is delivered using a wide range of methods, including lectures, workshops, small group tutorials, practical sessions and fieldwork. An element of choice is built into each degree so students can tailor their learning experience to their particular interests.

Each student is given regular feedback on his or her academic performance and is offered tutorial support through our excellent programme of pastoral care. Our students can therefore focus on their studies and have the best opportunity to flourish and excel in their chosen field.

Our Medway Campus is in the rapidly developing area of Chatham Maritime in Kent. The campus is home to three universities, making it a vibrant place to work, study and relax. Facilities include cafés, a pub, a gym, a sports hall and halls of residence. Restaurants, bars, shops and a cinema are a short walk from the campus.

Local attractions include Rochester, with its cathedral and castle, and Chatham's historic dockyard. Central London is less than an hour away by train.

The Students' Union University of Greenwich ([www.suug.co.uk](http://www.suug.co.uk)) and Greenwich and Kent Students' Unions Together ([www.gkunions.co.uk](http://www.gkunions.co.uk)), a partnership between SUUG and the students' union at the University of Kent, organise a variety of sports and social activities on campus and run a number of student societies.

## What will you study?

This holistic interdisciplinary degree draws together the natural, physical and social sciences to determine the causes of environmental issues and the range of possible solutions. Sustainability is a key concept that underpins the programme, with core courses throughout Years 1 and 2.

## Year 1

- Society, Economy and Sustainability (30 credits)
- Practical and Professional Skills (30 credits)
- The Earth's Dynamic Systems (30 credits)
- Science and the Environment (30 credits)

These courses are designed to provide natural, physical and social science perspectives on environmental issues. Towards the end of the year, you will also attend a residential field trip.

## Year 2

- Introduction to Remote Sensing and Photogrammetry (15 credits)
- Research and Professional Skills in Geography and Environmental Science (15 credits)
- Environmental Analysis **OR** Environmental Monitoring (15 credits)
- Five 15-credit options from: Quaternary Environmental Change; Earth System Science; Environmental Monitoring; Environmental Analysis; Environmental Management; Biogeography and Conservation Ecology (75 credits)

Towards the end of Year 2, you will attend a residential field trip.



Image: Neil Palmer/CIAT

## Key facts

**UCAS code:** F918 M BSc/EnvS

**Attendance:**

3 years full-time, 4-6 years part-time

**Entry requirements:**

You should have:

300 UCAS points

**FROM** relevant A-levels (e.g biology) or International Baccalaureate subjects.

**PLUS** at least five GCSEs at grade C or above (including English and mathematics).

- We particularly welcome applications from mature students.
- All students who apply for the programme are assessed on their individual circumstances.
- If you were educated in a language other than English and/or in a country where English speakers are in a minority, you

should have a minimum IELTS score of 6.0 (with a minimum of 5.5 in each skill) or an equivalent rating in another Secure English Language Test.

**How to apply:**

*Full-time students*

Home and EU students must apply through UCAS. Please carefully consider the programmes available and apply as early as possible. For further information and UCAS deadlines, please visit [www.ucas.com](http://www.ucas.com).

International students should apply online at [gre.ac.uk/apply](http://gre.ac.uk/apply). For further information, e-mail [international@gre.ac.uk](mailto:international@gre.ac.uk).

*Part-time students*

Part-time students must apply online at [gre.ac.uk/apply](http://gre.ac.uk/apply).

## Year 3

- Planning for Personal and Professional Development (15 credits)
- Geography and Environmental Sciences Dissertation (30 credits)
- Geographical Information Systems (15 credits)
- Readings in Geography and Environmental Science: choose one from a range of topics, including nature and society; environmental management and auditing; biofuels; environmental archaeology; sustainable use of water resources; and community participation in planning and regeneration (15 credits)
- Three 15-credit options from:  
Environmental Impact Assessment;  
Conservation and the Environment; Climate Change; Volcanic Hazards and Environmental Systems (45 credits)

The dissertation is an important component of the final year and is supported by the course Research and Professional Skills in Geography and Environmental Science in Year 2. It is conducted on a one-to-one basis with a member of staff and will give you the opportunity to study a particular topic within environmental science in considerable depth.

The readings course is in a subject area close to staff research interests and will require you to choose one topic from a range of subject areas. These topics run subject to achieving student numbers, and so may be liable to change.

## Career opportunities

As an environmental science graduate, you will have opportunities in environmental and land management, conservation and heritage management, waste management, local government, environmental agencies, ecology and biodiversity, overseas development, urban planning and natural resource management.

Careers can be found in both the public and private sectors. Environmental agencies and consultancies are important areas of employment, with graduates working on projects from environmental impact assessment to biological surveys, waste management and pollution control.

## Teaching and assessment

This programme is taught using a combination of lectures, tutorials, laboratory practicals, seminars, case studies, student-led presentations and field courses. The programme has a strong practical orientation, as well as academic rigour. Methods of assessment include essay assignments, examinations, practical assignments in the laboratory, seminar presentations and fieldwork. You will be taught by lecturers with extensive experience in both teaching and research.

## Financial information

For information on tuition fees and financial help, please visit [gre.ac.uk/finance](http://gre.ac.uk/finance).



## Your next step

University Open Days are held several times a year. They include a programme of talks and offer you the opportunity to speak to staff and students. You may also be given a tour of the campus. Dates can be found at [gre.ac.uk/opendays](http://gre.ac.uk/opendays), or contact the Enquiry Unit or International Office for further information.



Why not sign up as a Greenwich VIP and create your own Greenwich web page, personalised to

your choice of programme and interests? Becoming a Greenwich VIP is a fast route to ordering our publications, booking a place on an Open Day and finding out more about the university. You can also receive text and e-mail alerts. Please sign up at [gre.ac.uk/study](http://gre.ac.uk/study).

## For further information

To find out more about studying at the University of Greenwich, please visit [greenwich.ac.uk](http://greenwich.ac.uk).

### UK students

#### Enquiry Unit

Telephone: 020 8331 9000

Fax: 020 8331 8145

E-mail: [courseinfo@gre.ac.uk](mailto:courseinfo@gre.ac.uk)

### International/EU students

#### International Office

Telephone: +44 20 8331 8136

Fax: +44 20 8331 8625

E-mail: [international@gre.ac.uk](mailto:international@gre.ac.uk)



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**This document is available  
in other formats on request**

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