

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 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.



Why study with us?

The School of Science unites science with teaching and research. It works with the university's Natural Resources Institute to provide a centre for higher education with international expertise that spans the social, physical and natural sciences.

The School employs the very latest learning and assessment techniques, provide pastoral care to ensure students achieve their goals and deliver academic and professional programmes supported by research and scholarship. We have some of the most sophisticated instrumentation and most modern facilities in the UK, including a £1.5 million chemistry laboratory. Most of our programmes are accredited or recognised by relevant professional bodies, so you can have total confidence in the quality of our teaching programmes.

The School is located on the Medway Campus 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. There are three cafés, a pub, a sports hall and five halls of residence. The Students' Union University of Greenwich (www.suug.co.uk) and the Universities at Medway Students' Association (www.umsa.org.uk) both organise a variety of sports and social activities. The Medway Campus is located near the historic towns of Rochester and Chatham and is 50 minutes away from central London.

What courses will you study?

This is a holistic interdisciplinary degree that 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 Science Skills for Environmental Sciences (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 in the Lake District.

Year 2

- Introduction to Remote Sensing and Photogrammetry (15 credits)
- Regeneration and the Thames Gateway (15 credits)
- Research Methods for Geography and Environmental Science (15 credits)
- Sustainable Development (15 credits)
- Environmental Analysis OR Environmental Monitoring (15 credits)
- Three 15-credit options from: Biogeography and Conservation Ecology; Earth's System Science; Environmental Management; People, Place and the Environment; Quaternary Environmental Change; The Urban World (45 credits)

Towards the end of Year 2, all students attend a residential field trip in southern Spain.

Optional sandwich year (work placement)

A sandwich year enables students to gain valuable work experience in an appropriate workplace. Through strong industrial and European links, we can offer placements that provide real-world experience and skills that will feed into your future work and career. We would encourage you to take up this opportunity.

Final year

- Geography and Environmental Sciences Dissertation (30 credits)
- Geographical Information Systems (15 credits)
- Global Environmental Issues (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; carbon sequestration; carbon budgets; sustainable communities; Third World development issues; sustainable use of water resources; community participation in planning and regeneration (15 credits)
- Three 15-credit options from: Environmental Impact Assessment; Conservation and the Environment; Climate Change; Urban Development and Planning; Geography of Tourism and Development; Volcanic Processes and Environmental Systems (45 credits)

Key facts

UCAS code: F918 M BSc/ENVS

Attendance: 3 years full-time, 4 years sandwich, 4–6 years part-time

Entry requirements:

You should have:

260 UCAS points

FROM relevant A-levels

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.

How to apply:

- Full-time applications must be made through UCAS. You should carefully consider the programmes available and apply as early as possible. For further information and UCAS deadlines, please visit www.ucas.ac.uk.
- If you are applying from outside the United Kingdom and Republic of Ireland, you should apply online at www.gre.ac.uk/apply. For further information, e-mail international@gre.ac.uk.
- Part-time students apply online at www.gre.ac.uk/apply.





The dissertation is an important component of the final year, supported by the Research Methods for Geography and Environmental Science course 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. Courses are taught by lecturers who combine strong research and teaching experience.

Financial information

For up-to-date information on tuition fees and financial help, please visit www.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. A list of dates can be found at **www.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 webpage, personalised to

your choice of programme and interests? Becoming a Greenwich VIP is a fast route to ordering our publications, booking an Open Day and finding out more about the university. You can also take part in chat sessions with staff and students, receive text and e-mail alerts, and enter our online competitions. Sign up at **www.gre.ac.uk/study**.

For further information

To find out more about studying at the university, please contact:

Website: www.greenwich.ac.uk

UK students

Enquiry Unit

Telephone: 020 8331 9000

Fax: 020 8331 8145

E-mail: 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



UNIVERSITY
of
GREENWICH

School of Science
University of Greenwich

Medway Campus
Central Avenue
Chatham Maritime
Kent ME4 4TB



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

University of Greenwich, a charity and company limited by guarantee, registered in England (reg. no. 986729). Registered office: Old Royal Naval College, Park Row, Greenwich, London SE10 9LS

Every effort has been made to ensure that this leaflet is as accurate as possible. However, the university reserves the right to discontinue any class or programme, to alter any programme or to amend without notice any other information printed here.