ENVIRONMENTAL SCIENCES

Environmental Science students at the University of Stirling seek to understand the processes driving the evolution and maintenance of biodiversity – from how environments and ecosystems have changed over annual and millennial timescales, to predicting and mitigating the future impacts of change and natural hazards caused by human behaviour.

Stirling has a proud history of innovation in environmental research and study. It is also a hub for conservation and environmental organisations and we are ideally located for diverse landscapes and industrial sites.

We are leaders in Environmental Protection and Biological Conservation, with 100% of our Environmental Sciences research rated as having either outstanding or very considerable impact in REF 2021.

Our staff are involved in many international projects around the world, including in Malaysia, Botswana, Nigeria, Iceland, Norway, Greenland, Ukraine, Hungary and China.

RESEARCH COURSES

Research excellence underpins all we do. As part of our research community, you will contribute innovative, practical and applied solutions to the challenges facing society today.

We offer research options, including PhDs, in the following areas:

· Conservation
· Biogeochemical cycling
· Earth observation
· Environmental change
· Environment, heritage and policy
· Environmental protection
· Evolutionary ecology
· Landscape history
· Plant ecology and biogeography
· Terrestrial and aquatic ecosystems

Many of our courses offer multiple start dates, please check course webpages for details.

FT Full-time course **PT** Part-time course

To find out more about identifying a supervisor and submitting a research proposal, visit: **stir.ac.uk/research**

ENVIRONMENTAL MANAGEMENT

**Campus based
MSc, PG Dip, PG Cert**

This course is widely recognised as an international leader in training environmental managers and has more than 1,000 alumni worldwide.

Stirling is a hub for conservation activity in Scotland and we work closely with organisations such as NatureScot, Scottish Environment Protection Agency, and the Royal Society for the Protection of Birds in conducting research, arranging placements and field training, and developing our MSc Environmental Management course.

Our Masters course provides a grounding in the scientific principles that underpin environmental management and we cover various topics and give comprehensive training in quantitative, theoretical, analytical and practical skills.

You will learn to address issues such as adaptation to climate change, conserving biodiversity, environmental impact assessment and sustainable energy management.

As part of this course, you will take a residential field module and learn practical identification, surveying, measuring and sampling skills.

**Course Starts: September and January
Flexible pathways available**

(FT) (PT)

CORE MODULES
Module choices will be determined by whether you undertake the core Masters degree or a specific pathway.

PATHWAYS
You can work towards our core Masters degree, the MSc Environmental Management, or opt to specialise in one of the following pathways of study:

· MSc Environmental Management (Conservation)
· MSc Environmental Management (Energy)
· MSc Environmental Management (Informatics)

Check course web page for optional modules

CAREER PROSPECTS
Stirling has an excellent record in graduate employability in the environmental sector. Some of our graduates' work for organisations such as environment protection agencies, major conservation bodies, local authorities and independent environmental consultancies, many in senior positions. Their roles include:

· Environmental Consultants
· Environmental Protection Officers and Scientific Advisers in environment agencies
· Environmental Managers within local authorities, national industries and trusts

ENVIRONMENTAL REMOTE SENSING AND GEOSPATIAL SCIENCES

Campus based
MSc, PG Dip, PG Cert

Click for course web page

As we have entered an era of high-resolution Earth observation, there has been an explosive growth in the use of Remote Sensing data. Remote Sensing data is regarded as the "Big Data" of the environmental monitoring world, making graduates with these skills sought-after by employers.

Our MSc Environmental Remote Sensing and Geospatial Sciences has a unique emphasis on developing and applying remote sensing solutions for understanding and monitoring environmental processes on Earth and other planetary bodies. Our Masters has a special focus on the use of Remote Sensing data and services for climate research and the digital transformation of the environment.

The course covers topics from satellite, space-based, (un)manned airborne and ground-based platforms and provides professional training in remote sensing, Geographic Information System (GIS) data analytics, modelling and theoretical/field/lab skills.

The course will allow you to get industry experience through modules including work-related assessments and guest speakers from public, private and third sector organisations.

CORE MODULES
· Fundamentals of Remote Sensing
· Representing and Manipulating Data
· Applications of Earth Observation
· Geomatics
· Planetary Exploration
· Dissertation

Check course web page for optional modules

CAREER PROSPECTS
You will be prepared to build a successful career in the fast-growing downstream space and technology-driven industries or work in environmental, heritage and resource management sectors, including government regulators, local authorities, universities and space agencies.

Course Starts: September

(FT) (PT)