



Loughborough
University

Environmental Monitoring, Research and Management

School of Social Sciences and Humanities

TOP
10

IN THE UK FOR
GEOGRAPHY AND
ENVIRONMENTAL
STUDIES
*THE GUARDIAN
UNIVERSITY GUIDE 2022*

1ST

FOR RESEARCH
INTENSITY
*THE COMPLETE
UNIVERSITY GUIDE 2022*



100% OF RESEARCH
IMPACT RATED
'WORLD-LEADING'
OR 'INTERNATIONALLY
EXCELLENT'
REF 2021



Why study MSc Environmental Monitoring, Research and Management?

A postgraduate degree from Loughborough will further your subject knowledge and enhance your employability.

Thanks to the quality of our teaching and research, alongside our unrivalled student experience, we consistently score highly in major national rankings. We are currently in the top 10 in every UK league table – something that we are incredibly proud of.

Academic staff

Our reputation attracts outstanding academics from around the world, many of whom are leaders in their field. This means that we can offer you opportunities to learn from passionate subject specialists who are at the forefront of current research.

Our research

The vibrant research culture that is prevalent at Loughborough will provide you with a supportive learning experience and excellent standards of academic supervision. As well as enabling you to develop specialist skills and knowledge from top quality research practice, our long-standing relationships with industry and public and private sector organisations will expand your professional network and invite excellent career opportunities.

World-class facilities

Our campuses are not only a welcoming and friendly home for our staff and students, they are also the site of some incredible learning facilities. With purpose-built lecture theatres, state-of-the-art laboratories, libraries, an arts centre, two theatres, dedicated 24/7 computer suites and many more additional teaching spaces, we can offer everything you need to succeed during your studies.

Geography and Environment

Geography and Environment is part of the School of Social Sciences and Humanities at Loughborough University. Our academic staff are driving forward intellectual agendas, as well as helping to shape national and international policy. This expertise ensures that the knowledge our students get throughout this taught Masters programme is focused on the cutting-edge of scientific research.

Geography and Environment is located inside a state-of-the-art research and teaching facility, complete with a river science laboratory, geospatial laboratory and a campus-based weather station. The campus also has a 16-hectare research forest comprised of ancient and semi-natural woodland.



MSc

Full-time length: 1 year

Part-time length: 2 years

Entry requirements

The minimum you will be expected to have achieved is a good second-class honours degree (2:2 of 55% or above) or equivalent. We accept students with academic backgrounds in geography or other science/engineering disciplines. Applications are welcomed from those with professional or work experience commensurate with the programme's aims and content. Applicants with appropriate professional expertise will also be considered.

Successful and sustainable environmental management strategies are based on robust scientific evidence and principles. It follows that successful environmental managers and researchers need to gather and assess environmental data and use it to inform their understanding of key environmental processes and dynamics. This MSc provides the foundations for careers and research routes in the environment sector by developing the core skills required to collect, analyse and evaluate environmental data.

The unique emphasis of this programme is the practical challenge of measuring, analysing and evaluating dynamic environmental data for environmental problem-solving, research and management purposes. It is formulated around our fundamental belief that environmental problem-solving and management must be based on asking the right questions, collecting the correct data, analysing it in an appropriate way and evaluating it in an applied context.

This MSc therefore focuses on the dynamic nature of physical and biological environmental systems and teaches the practical and analytical techniques that science, government and industry increasingly need in order to assess and manage changing environmental systems. In contrast to similarly titled courses at other institutions which emphasise management theory and environmental policy, our programme focuses on the practical skills required for successful and sustainable environmental research and management, and incorporates plenty of experience with field, laboratory and analytical work.

Who should apply?

This programme has particular relevance for graduates looking to develop their employability for jobs in public or private sector environmental consultancy, monitoring, planning and management, both in the UK and internationally. Our graduates have an excellent track record of securing jobs in environmental consultancy, research and government agencies. The programme has also been designed for public or private sector consultants, technicians, planners and managers wishing to develop their understanding and skills in environmental monitoring. This MSc also provides an ideal grounding for students who wish to develop their research skills before pursuing doctoral research in environmental science, physical geography and ecology.

Compulsory modules

- Tools for River Research and Management
- Research-Informed Environmental Management
- Lake Research and Management
- GIS for Environmental Management
- Hydroclimatological Monitoring and Modelling
- Research and Professional Practice
- Geospatial Risk Modelling for Management
- Environmental Monitoring of Wind
- Dissertation in Environmental Monitoring, Research and Management

Students on this programme will gain:

- an understanding of the dynamic nature of physical and biological environmental systems, with unique insights into the practical challenge of measuring, analysing and evaluating a range of data for environmental problem-solving, research and management purposes.
- experience in monitoring and analytical techniques that science, government and industry increasingly need in order to assess and manage changing environmental systems.
- employability skills for jobs in public or private sector environmental consultancy, monitoring, planning and management.
- an ideal, broad-based grounding from which to pursue doctoral research in the natural sciences.

**TOP
10** IN EVERY UK
UNIVERSITY
LEAGUE TABLE

General enquiries

Geography and Environment
Loughborough University
Leicestershire LE11 3TU UK

T: +44 (0)1509 222794

E: geography.pgt@lboro.ac.uk

lboro.ac.uk/geography-environment

This brochure was written several months in advance of the academic year to which it applies (2022). Every effort has been made to ensure that the information contained within is accurate at the time of publishing, but updates (for example to course content) are likely to occur due to the time between publication and the course start date. It is therefore important to visit our online prospectus at www.lboro.ac.uk/study before applying to check for any updates, as this will be the most up-to-date repository of information.

 @LboroGeog

 /lborouniversity

 /lboroSSH