

# MSc Environmental Monitoring for Management



REF 2014  
95% OF RESEARCH CLASSED AS  
'INTERNATIONALLY RECOGNISED'



QS GRADUATE EMPLOYABILITY  
RANKINGS 2017  
1ST IN THE UK FOR EMPLOYER  
STUDENT CONNECTIONS



TIMES/SUNDAY TIMES  
GOOD UNIVERSITY GUIDE 2018  
12TH FOR GEOGRAPHY AND  
ENVIRONMENTAL SCIENCES



# MSc Environmental Monitoring for Management

*Successful and sustainable environmental management strategies are based on robust scientific evidence and principles. It follows that successful environmental managers need to understand environmental data and how it informs their understanding of key environmental processes and dynamics. This MSc provides the foundations for a career in the environment sector by developing the core skills required to collect, analyse and evaluate environmental data.*

## Programme of study

The unique emphasis of this programme is the practical challenge of measuring, analysing and evaluating dynamic environmental data for environmental problem-solving 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 biological and physical environmental systems and teaches the practical and analytical techniques that science, government and industry increasingly need in order to assess and manage dynamic 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 management and incorporates lots of field, laboratory and analytical work.

Students will benefit from the wide-ranging, world-renowned expertise of our academic staff, all of whom are committed to high quality, research-informed teaching to ensure the very best learning experience.

## 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. The programme has also been designed for public or private sector consultants, technicians, planners and managers wishing to develop their understanding of Environmental Monitoring for Management. Our graduates have an excellent track record of securing jobs in environmental consultancy, research and government agencies. 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.

## Entry qualifications

The minimum you will be expected to have achieved is a good second-class honours degree, 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.

## Modules include

- Professional Practice in Environmental Management
- Natural Hazard and Catastrophe Modelling for Environmental Management
- Applied Environmental GIS
- Hydroclimatological Monitoring and Modelling
- Evidence-Based Environmental Management
- Tools for River Management
- Lake Monitoring and Management
- Wind Erosion: Management and Measurement
- Research Design

Students will also undertake a research-led dissertation.



## Our expertise... your opportunity

Loughborough University is one of the UK's leading universities with an international reputation for excellence in teaching and research and strong links with industry. It was voted the Best Student Experience for six consecutive years and is consistently ranked in the top 15 of UK universities in national league tables.

The Department of Geography has an international reputation in physical geography and environmental studies. Inter-disciplinarity, and a commitment to the co-production of knowledge with non-academic partners, are hallmarks of our work, giving geographical research at Loughborough a meaningful role in contemporary debates about social and environmental futures.

The Department boasts state-of-the-art research facilities including Environmental Diagnostics Laboratories, and maintains several meteorological and hydrological field stations in the UK and abroad. Loughborough University Research Forest, approximately 16 hectares of ancient semi-natural woodland located on the University campus, also provides excellent opportunities locally for practical work.

Students on this programme will gain:

- an understanding of the dynamic nature of biological and physical environmental systems.
- unique insights into the practical challenge of measuring, analysing and evaluating dynamic environmental data for environmental problem-solving and management purposes.
- experience in practical and analytical techniques that science, government and industry increasingly need in order to assess and manage dynamic 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.

## Scholarships and bursaries

Loughborough University Alumni Bursaries are available to self-funding UK/EU and international students who obtained their previous degree from Loughborough.

Further details about this and other bursaries and scholarships can be found at: [www.lboro.ac.uk/students/finance/pgt/scholarships](http://www.lboro.ac.uk/students/finance/pgt/scholarships)

## How to apply

To apply for this course please submit your application online: [www.lboro.ac.uk/study/postgraduate/masters-degrees](http://www.lboro.ac.uk/study/postgraduate/masters-degrees)

Your application must be supported by documentary evidence of entry qualifications, including English language, academic transcripts and references. You are strongly advised to send your documents, including transcripts and references, as soon as you make your online application.



TEACHING EXCELLENCE  
FRAMEWORK  
GOLD



### General enquiries

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