

Economics for Natural Resource and Environmental Management

MSc, PgDip, PgCert
Full and part-time

There is a growing international awareness of the environmental consequences of economic growth. As a result there is a pressing need for professionals with the ability to apply economic principles and techniques to the sustainable management of environmental and natural resources.

The MSc Economics for Natural Resources and Environmental Management course provides graduates with an understanding of the complex relationship between economic decision making and environmental impacts. Graduates develop the ability to identify and recommend solutions for effective sustainable management.

Focus on your career

This course prepares you for a professional career as an economist working in natural resource and environmental management in either private or public sectors.

The knowledge and experience gained through achieving your Cranfield qualification will provide you with outstanding opportunities for a rewarding and successful career.

Benefit from an interdisciplinary approach

Cranfield University hosts a group of internationally renowned experts in a range of environmental disciplines including biological processes, risk management, material flow, remediation, sustainable development and natural resource economics. We either lead or collaborate as partners in research and consulting projects both nationally and internationally. Studying within this environment offers you the opportunity to consider environmental and natural resource economics from an interdisciplinary viewpoint. Students meet people working across a broad spectrum of economic issues related to the environment, from the design of a fuel efficient aircraft to renewable energy and the science behind ecosystem services.

Benefit from contacts with government and industry

You will be taught by internationally leading academics and practitioners. The course is supported by an industrial advisory committee comprising senior representatives from leading environmental organisations including Natural England, the Environment Agency and renowned environmental consultancies. This ensures the skills and knowledge you acquire from the programme are relevant to employer requirements.

Benefit from practical experience in work-based projects

Group and individual project work enables you to put the knowledge and skills gained from the taught element of the course into practice in an applied context, while gaining transferable skills in project management, team-work and independent research. Future employers value this experience. Projects have support from local and national government, policy makers, NGOs and environmental consultancies. Part-time students benefit from addressing their employers business problems supported by academic supervision.



Course details

Duration: Full-time: 1 year.
Part-time: 2-3 years.

Start date: Full-time: October.
Part-time: Throughout the year.

***Funding:** Funding opportunities exist, such as School bursaries. Part-time students are usually sponsored by their employers. For further information please visit www.cranfield.ac.uk/sas/funding

Entry requirements: Candidates must possess, or be expected to achieve, a 1st or 2nd class UK honours degree or equivalent in a relevant discipline. Other relevant qualifications together with considerable industrial experience may be considered.

Who should apply

- Those with a background in the natural and physical sciences, engineering or business keen to re-orient their careers towards natural resource and environmental economics.
- Graduates with a degree in economics seeking to develop specialist knowledge of natural resource and environmental economics.

Course overview

The MSc course comprises an induction week followed by eight taught modules, a group project and an individual thesis project.

The group project is an applied team-based activity where you have the opportunity to address a real environmental problem. Example projects include sustainable aviation, renewable energy, sustainable development and flood risk management.

Finally, the individual thesis project provides you with the opportunity to develop and demonstrate independent research ability, working within agreed objectives, deadlines and budgets.

Alternatively, qualifications of postgraduate Diploma (PgDip), comprising the eight taught modules and the group project, and Postgraduate Certificate (PgCert) comprising six modules, are available.

Structure

Taught modules	40%
Group project	20%
Individual thesis project	40%

*dissertation for part-time students

Modules

- Induction Module
- Principles of Sustainability
- Environmental Valuation
- Environmental Econometrics
- Cost Benefit Analysis and the Environment
- Natural Resource Economics
- Environmental Policy
- Globalisation, Institutions and NRM
- Energy Policy, Markets and Futures

Why Cranfield University

Cranfield is a wholly postgraduate university with an international community and a truly global reputation. Ranked first in the UK for staff to student ratios, student employment on graduation, one of the best staff to student ratios and with an excellent rating for teaching, and exceptional facilities, Cranfield makes an ideal destination for advancing careers. All courses are designed to meet the training needs of industry and have a strong input from experts in their sector. Our focus is on applied research and developing future engineers, managers, consultants, and entrepreneurs.

Contact

For further information and an application form please contact:

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