



# Environmental Management for Business

## MSc, PgDip, PgCert



**The Environmental Management for Business MSc is designed to prepare you for a successful environmental management career working in business, the public sector or NGOs. Delivered in association with the globally renowned Cranfield School of Management, this course enables you to develop the advanced theoretical knowledge and practical skills required to critically evaluate complex environmental issues, develop effective strategies and lead their implementation.**

## Who is it for?

This course is open to students from a range of academic backgrounds, including science and engineering, business and other social sciences, who wish to develop a successful and rewarding career in environmental management. Specifically designed to meet the demands of global employers, it will equip you with current thinking on environmental issues, the ability to develop effective environmental management strategies, and the leadership skills you will need to bring your ideas to life.

## Course structure

- Eight taught modules (40%),
- Group project (20%),
- Individual research project (40%).

## Informed by industry

This course is closely aligned with industry to ensure that you are fully prepared for your new career:

- The teaching team are heavily involved in industrially funded research and development, enabling you to benefit from real-world case studies throughout the course.
- Participate in applied and industrially relevant individual and group projects focused on your personal interests and career aspirations.
- Our regular consultations with senior representatives of key industries on questions of course and curriculum design ensure that the programme continues to reflect the changing needs of employers.

## Future career

With the current global focus on environmental issues and natural resource management, you can expect to be highly sought after by employers. Successful graduates develop diverse and rewarding careers in environmental and business consultancies, manufacturing and service industries, public sector organisations such as environmental protection agencies, together with non-governmental organisations.

Graduates of this course have gone onto work in a range of roles, including: Corporate Sustainability Manager, Senior Sustainability Consultant, Head of Environmental Operations, Business/Research Consultant, Sustainability Project Manager.

Within prestigious institutions including: ASE Group, AVISO Consultancy, Caterpillar, Confederation of European Paper Industries, Coriolis Energy, Flag, Groupe de Bruges, Honeywell, HSSMI, Imerys, Interserve, JLL, KierWSP, KPMG, Manhattan Atrium, Müller UK & Ireland Group, Oakdene Hollins Ltd, PwC, Samsung Electronics, Save-by-Solar Sweden AB, Unilever, United Nations Development Programme, Verascio Ltd, VR Group (Finland), Yorkshire Water.

## Key information

### Duration:

MSc: one year full-time, two to three years part-time  
PgDip, PgCert: one year full-time, two years part-time.

### Start date:

Full-time: October.  
Part-time: October.

### Qualification:

MSc, PgDip, PgCert.

### Location:

Cranfield campus.

### Entry requirements

This course is suitable for graduates with science, engineering, social science or business related degrees keen to pursue careers in environmental management; or graduates currently working in industry keen to extend their qualifications; or individuals with other qualifications who possess considerable relevant experience.

## Overview of taught modules

### Example modules

Modules form only part of the course content with the projects and theses making up the balance. Please see the course structure for details.

The list below shows the modules offered in the 2019-2020 academic year, to give you an idea of course content. To keep our courses relevant and up-to-date, modules are subject to change – please see the webpage for the latest information.

### Compulsory modules

(all the modules in this list need to be taken as part of this course).

**Economic Valuation and Appraisal** provides you with the knowledge and skills to complete financial and economic appraisals.

**Evaluating Environmental Sustainability** looks at the methods to assess the environmental sustainability and impacts of products, services, businesses, projects, policies and economic systems.

**Environmental Innovation** explores technological change as part of positive sum strategies put forward by ecological modernisers. Theories of technological change are reviewed such as evolutionary, path dependent and long wave and used to formulate technology policy to achieve environmental net gain or transition to a low carbon economy.

**Environmental Management in Practice** introduces you to the practical issues associated with implementing Environmental Management Systems (EMS) into organisations. This requires a thorough understanding of the concept of an EMS, as well as the most commonly used frameworks, namely the ISO 14000 series of standards.

**Environmental Policy and Risk Governance** draws together the technical, organisational and human elements of governing environmental risks and developing environmental policy by introducing core concepts and illustrating them with case studies.

**Leading Corporate Sustainability** will provide you with a better understanding of how corporate action can be best configured to promote responsible and sustainable business strategies. In doing so, it will allow you (as future business managers and leaders) to reflect on the long-standing debate about whether or not 'the business of business, is still business?'

**Principles of Sustainability** explores sustainability using three approaches. The "Ecosystem Service", the "Circular Economy" and a third approach which explores the nexus between renewable energy, food, and other ecosystem services using per capita energy and food consumption. This module introduces and critiques the three approaches and examines their application to resolve real-world problems and create commercial opportunities.

**Risk Communication and Perception** develops an appreciation of the importance of individual and group attitudes towards the perception of risk and how this may influence views, conduct and actions, including the development of communication methods.

In association with



## Group project

Group projects, which run between February and April, enable you to apply the knowledge, understanding and skills you have developed during the course modules into practice in a real-life situation while gaining transferable skills in project management, time management, and written and oral communication.

Group projects are usually sponsored by industrial or public sector partners who provide particular problems linked to their businesses.

Part-time students write a review of available information around a relevant topic including academic literature, presentation of ideas and analysis, and the development of conclusions.

Examples of recent group projects include:

- Development of a sustainable food production system based on Forest Garden concept in Stratford-upon-Avon Sponsor (Forest of Hearts - Edible gardens for good).
- Assessing the environmental, technological and economic feasibility of potential reuse of tea waste (Unilever).
- Development of full life cycle costs at National Grid for the UK gas distribution (National Grid).

## Individual project

The individual research project component takes place between May and September for full-time students. It allows you to delve deeper into a specific area of interest and further develops research and project management skills that:

- provide the ability to think and work in an original way.
- develop and test your ability to plan and carry out a piece of research.
- apply theoretical knowledge and critical thinking.
- contribute to knowledge.
- overcome genuine problems.
- communicate through a thesis and oral exam.

Recent individual projects:

- An economic valuation of the Thames Path National Trail.
- Carbon footprint analysis of an integrated waste recovery plant.

## Accreditation

The MSc of this course is accredited by the Institute of Environmental Management and Assessment (IEMA) and the Chartered Institution of Water and Environmental Management (CIWEM).

**IEMA** Transforming the world to sustainability

**CIWEM** Chartered Institution of Water and Environmental Management  
Accredited Course

IEMA is the professional body for everyone working in environment and sustainability. This course entitles students to FREE student membership for the duration of the course and on successful completion you qualify for GradIEMA. Graduate membership is a launchpad for future leaders within environment and sustainability and offers a range of benefits to support you throughout your career. You can then "Fast track" to Practitioner Membership (PIEMA) following successful completion of the work-based assessment of competence.

## Contact details

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