



Environmental Engineering MSc

www.cranfield.ac.uk/ee



Develop your career as a highly sought after environmental engineer.

Suitable for engineering, science and geography graduates, the Environmental Engineering MSc will help you enhance your career and develop novel methods to protect the environment as an environmental engineer. Accredited by CIWEM, CIWM, and IAgRE, this course will equip you with the knowledge and skills required to solve a wide range of environmental engineering challenges and make a real difference to the planet, - including municipal and toxic waste management and disposal, process emissions, contaminated land and water, waste disposal, energy and resource recovery. Cranfield offers a unique, postgraduate-only environment where you will learn from a teaching team with extensive experience of solving real-world environmental challenges.

Who is it for?

This course is designed for science, engineering, and geography graduates who are passionate about the protection and improvement of environmental quality alongside enhancing the quality of human life.

We also welcome graduates currently in employment who are keen to gain further qualifications or to pursue a career change, or individuals with other qualifications and considerable relevant experience.

You will learn principles of environmental improvements, including the protection of environmental quality at both local, landscape and global scales.

Your career

With the current global focus on environmental issues, graduates can expect to be highly sought after. Equipped with advanced knowledge and management skills to analyse processes, principles and practices essential to environmental challenges, you will have career opportunities across a wide range of industrial and public organisations.

Successful graduates have pursued or enhanced careers as:

Research Consultant/Engineer, Environmental Scientist, Waste Consultant, Environmental Consultant, Environmental or Site Engineer, Environmental Quality and Compliance Consultant, Risk Prevention & Environmental Engineer, Environmental Project Manager and Supply Chain Manager.

Overview

Start date

Full-time: October, part-time: October

Duration

One year full-time, two-three years part-time

Qualification

MSc, PgDip, PgCert

Study type

Full-time / Part-time

Structure

Taught modules 40%, group project 20% (dissertation for part-time students), individual project 40%

Campus

Cranfield campus

Entry requirements

Candidates must possess, or be expected to achieve, a first or second class UK honours degree in a relevant engineering or science-based discipline, or the international equivalent of these UK qualifications. Other relevant qualifications together with industrial experience may be considered.

Fees

Please see www.cranfield.ac.uk/fees for detailed information about fee status, full-time and part-time fees as well as deposit requirements and bursary and scholarship information.

Course details

The modules include lectures and tutorials, and are assessed through examinations and assignments. There is an emphasis on analysis of real problems. Students undertaking the Postgraduate Diploma (PgDip) complete the seven modules and the group project. Postgraduate Certificate (PgCert) students are required to complete six of the eight modules.

Modules

Keeping our courses up-to-date and current requires constant innovation and change. The modules we offer reflect the needs of business and industry and the research interests of our staff. As a result, they may change or be withdrawn due to research developments, legislation changes or for a variety of other reasons. Changes may also be designed to improve the student learning experience or to respond to feedback from students, external examiners, accreditation bodies and industrial advisory panels.

To give you a taster, we have listed below the compulsory and elective (where applicable) modules which are currently affiliated with this course. All modules are indicative only, and may be subject to change for your year of entry

Compulsory modules

All the modules in the following list need to be taken as part of this course.

Environmental Risks: Hazard, Assessment and Management

Modelling Environmental Processes

Pollution Prevention and Remediation Technologies

Waste Management in a Circular Economy: Reuse, Recycle, Recover and Dispose

Land Engineering Principles and Practices

Process Emissions and Control

Cleantech in Water-Energy-Food Nexus

Catchment Management

"I love the variety of the modules in my Environmental Engineering MSc at Cranfield. I believe that the course provides state-of-the-art topics, that discuss the most critical environmental challenges in the world."

Mohammed Islam

Current student, Environmental Engineering MSc,

Accreditation

The MSc of this course is accredited by the Chartered Institution of Water and Environmental Management (CIWEM), Chartered Institution of Wastes Management (CIWM) and the Institution of Agricultural Engineers (IAgrE).

Benefits of accreditation include: complementary student membership while on the course, the opportunity to join Young Professional Project Groups, thus giving access to mentoring opportunities, career talks, increased employability, access to free events, and free publications such as CIWEM's magazine called The Environment.

CIWEM Chartered Institution of
Water and Environmental
Management
Accredited Course



Class profile 2021/22

Gender:

Male 63% - Female 37%

Age range

20 - 44 years

Nationality:

UK/EU: 37% - International: 63%

Class Size:

19

For more information contact our Admissions Team:
T: +44 (0)1234 758082

Visit campus for yourself and meet current students and
our academics at our next Open Day:
www.cranfield.ac.uk/openday

November 2022

Every effort is made to ensure that the information provided here is correct at the time it is published. Please check our website for the latest information.



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