Environmental Engineering MSc

www.cranfield.ac.uk/ee

Develop your career as a highly sought-after environmental engineer

Suitable for graduates in engineering, science, and geography, the Environmental Engineering MSc will help you enhance your career by specialising in environmental engineering studies, involving the application of scientific and engineering principles to protect and improve the environment. Accredited by CIWEM 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?

The Environmental Engineering MSc 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.

Your career

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

Successful graduates have been able to pursue or enhance careers in a variety of key areas such as:

Research Consultant, Environmental Scientist, Waste Consultant, Environmental Consultant, Site Engineer, Environmental Quality and Compliance Consultant.

Previous students have gone on to jobs within prestigious institutions including:

Arup, Seche Environment, EnvironTec Gmbh, Deloitte, BP, Chevron, WSP, Jacobs, Viridor, Syngenta, SCOTEC UK.

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 80 credits/800 hours, Group projects 40 credits/400 hours, Individual project 60 credits/600 hours

Campus
Cranfield campus

Entry requirements
We welcome applications from talented individuals of all backgrounds and each application is considered on its individual merit. Usually applicants must hold:

A UK lower second-class (2:2) undergraduate degree with honours, as a minimum, or equivalent international qualification.

Ideally applicants will have studied in a relevant engineering or science-based discipline.

Find information about equivalent qualifications in your country on our International entry requirements page.

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.

Principles of Engineering

Pollution Prevention and Remediation Technologies

Health, Safety and Environmental Risk

Modelling Environmental Processes

Sustainable Environmental Solutions

Elective modules

Select one from the list below:

Air Quality Measurements and Management

Biofuels and Biorefining

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

Select one from the list below:

Land Engineering Principles and Practices

Environmental Water Quality

Energy Systems Case Studies

Select one from the list below:

Energy from Waste Operations

Catchment Management

Resource Recovery for Water and Wastewater

Attendance only module (module can be taken as part of this course but will not count towards your award):

Engineering Design and Project 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
Environmental Engineering MSc, 2020-2021

Accreditation

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

CIWEM Chartered Institution of Water and Environmental Management
Accredited Course

IAgrE

Class profile 2023/24

Gender:	
Male 64% - Female 36%	
Age range:	
20 - 39 years	
Nationality:	
UK: 27% International: 73%	
Class size:	
11	

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

December 2024