



Advanced Water Management MSc

www.cranfield.ac.uk/awm



A pathway to a successful and rewarding career in the water sector; shaping a more resilient and sustainable future for all.

Managing water is one of society's greatest challenges. What was once an abundant natural resource now requires careful management to ensure its availability and quality for future generations.

The Advanced Water Management course builds on our 30 year legacy in Environmental Water Management. It covers the urgent water issues which confront our communities and the need to deliver innovative solutions which increase resilience and protect lives, livelihoods, and environmental quality

The MSc is delivered by our world-leading experts and developed in partnership with a wide range of organisations and institutions from the water sector. Our graduates have the skills and expertise to solve global water challenges through a variety of career paths.

Who is it for?

The course is ideal for graduates wishing to develop the expertise needed to solve water management problems. It is designed to complement and expand your existing knowledge of science, policy and practice, making it suitable for students from a range of backgrounds. Recent students have joined us from undergraduate and postgraduate degrees in engineering (civil, hydraulic, agricultural), physical geography, chemistry and environmental sciences, as well as from professional careers.

Our strong industry links make the course particularly suited for those looking to work in the water industry, government or environmental and engineering consultancy, and a wide range of roles including water quality, water resources, aquatic habitat and wildlife, flood defence and policy.

The option to undertake the course on a part-time basis allows you to extend your professional development within your current employment. We will design an individual study plan for you, taking into account your workload and working commitments.

Your career

Cranfield University water graduates are found all over the UK, EU and the rest of the world, working at all levels of the water industry, government, environmental and engineering consultancy, and charitable sector. You will therefore become part of a large and supportive alumni network.

Overview

Start date

Full-time: October, part-time: October

Duration

Full-time: one year, part-time: two-three years

Qualification

MSc, PgDip, PgCert

Study type

Full-time / Part-time

Structure

Taught modules: 40%, group project: 20%, 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 science, engineering or related discipline, or the international equivalent of these UK qualifications. Other relevant qualifications, together with significant 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 course comprises a taught programme of four assessed modules, a group project and an individual thesis project.

A unique component of a Cranfield University taught MSc is the group project. Group projects are usually sponsored by industry partners and provide students with experience of working on real challenges in the workplace along with skills in team working, project management and developing reporting and presentation skills. Experience gained is highly valued by both students and prospective employers.

You will be able to select your individual project in consultation with the thesis project coordinators. The individual thesis project provides you with the opportunity to demonstrate your ability to carry out independent research, think and work in an original way, contribute to knowledge, and solve real-world problems. You have the choice to work on projects sponsored by industry or related to current research projects at Cranfield.

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.

Surface and Groundwater Hydrology: Processes, Measurement and Modelling

Good Ecological Status

Managing Flood and Drought Risks

Water in Cities and Catchments

"Cranfield University's tenacious link with industries all over the country was a chance for me to practically and effectively make an impact.

The academic set-up and structure of lectures so far have made it interesting and educating for me, as it has impacted and ameliorated my thinking skills, writing skills and problem-solving approach."

Babalola Sherifdeen Olamilekan

Alumni, Advanced Water Management MSc

Accreditation

The MSc of this course is accredited by the Chartered Institution of Water and Environmental Management (CIWEM). As a graduate of the MSc course, you are eligible for graduate membership in this leading professional body.

CIWEM Chartered Institution of
Water and Environmental
Management
Accredited Course

Class profile 2021/22

Gender:

Male 44% - Female 56%

Age range:

20 - 59 years

Nationality:

UK: 33% - International: 67%

Class Size:

18

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/penday

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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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