Water is under increasing pressure from demographic and climatic changes. Treatment processes play a key role in delivering safe, reliable supplies of water to households, industry and agriculture, and in safeguarding the quality of water.

This course is ideal for individuals who want to make a real difference to delivering reliable water supplies, or to maintaining and enhancing river and ground water quality. It will equip graduates with the skills to solve practical problems, communicate effectively and work successfully making them highly sought after by industry and government.

Course structure
This course is made up of three components: a formal taught component comprising eight modules (40%), Group Project (20%) and Individual Thesis Project (40%).

Individual project
The four-month individual research project can be carried out within industry or academia. Part-time students undertake their individual project with their employer. This key part of the course allows you to apply the research skills acquired during the taught phase to a practical problem within reliable water supplies, and acts as an opportunity for you to meet future employers.

Group project
The group project is an applied multidisciplinary team based activity. It provides the opportunity to apply principles taught during modules. Students submit project reports and present their findings to representatives from industry.

Future career
Environmental Water Management graduates are found all over the UK, EU and world working at all levels of the water industry, government, environmental and engineering consultancy, and charitable sector.

Example modules
The MSc comprises eight assessed modules consisting of lectures, practical work and site visits.

Compulsory
• Water and Wastewater Treatment Principles,
• Process Science and Engineering,
• Biological Processes,
• Risk Management and Reliability Engineering,
• Hydraulics and Pumping Systems,
• Chemical Processes,
• Physical Processes,
• Water Reuse and Resource Recovery.

Duration:
MSc: Full-time - one year, Part-time - up to three years;
MTech: Full-time - two years; PgDip: Fulltime - up to one year, Part-time - two years; PgCert: Full-time - up to one year, Part-time - two years.

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

Location:
Cranfield Campus.

Entry requirements
A first or second class UK Honours degree in a relevant subject; an equivalent international qualification; relevant work experience with a degree below second class Honours. Please contact us if you do not meet our formal entry requirements. More information can be found at www.cranfield.ac.uk/entryrequirements.

ATAS Certificate
Students requiring a visa to study in the UK may need to apply for an ATAS certificate to study this course.

Contact details
T: +44 (0)1234 758082
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For further information please visit
www.cranfield.ac.uk/courses/taught/water-and-wastewater-engineering