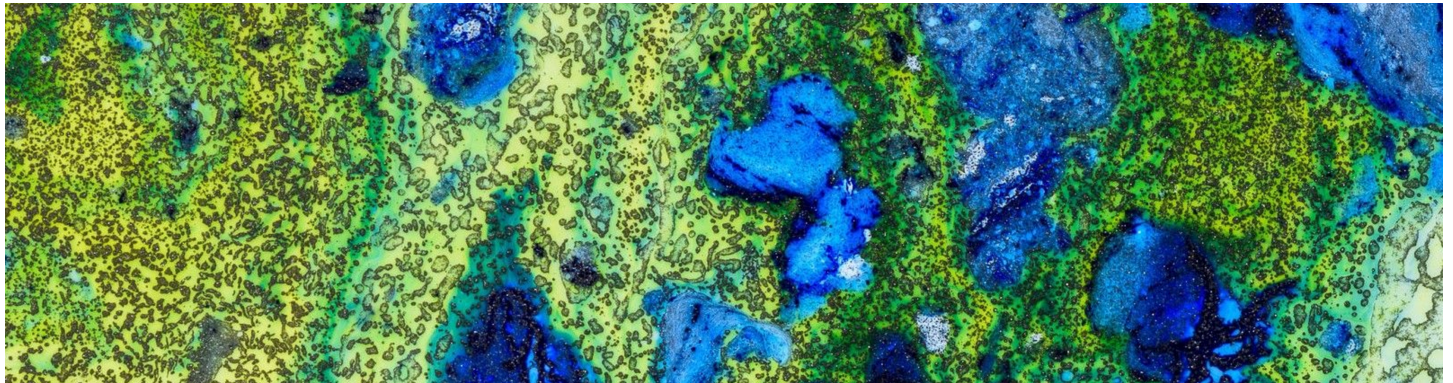




Geographical Information Management MSc

www.cranfield.ac.uk/gim



Develop a rewarding career in GIS and resource management

Sustainable use or conservation of the Earth's resources requires the organisation, utilisation and integration of technologies such as database management, image processing and digital cartography, to ensure provision of high-quality, reliable and up-to-date information. The Geographical Information Management MSc has been developed in direct collaboration with industry and in response to the increased global demand for multi-disciplinary managers, advisors and consultants in resource management. Taught by a dedicated faculty, this course is unique in providing balanced coverage of the key GIS technologies to prepare you for a successful career across the full range of global sectors using geographical information (GI) technologies.

Who is it for?

We welcome students from a variety of backgrounds who have a passion for technology and data, an interest in solving real-world problems and making a positive impact. You will acquire experience of world-class spatial problem solving and develop a range of personal and leadership skills to set you on the path for a rewarding career in any one of the growing range of industrial and research sectors that now routinely make use of the GI technologies.

Your career

Successful students develop diverse and rewarding careers in the spatial information industry, national and local government, consultancies, utilities and research organisations. The international nature of this course means that career opportunities are not restricted to the UK. Cranfield graduates develop careers around the world and this course is internationally recognised by employers across the scientific, industrial and educational communities.

Previous students have followed careers in the consulting industry or with government research establishments; whilst others are successfully running their own companies.

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

Data Scientist, Academic Researcher, GIS Technician, Geospatial Analyst, GIS officer, Project Development Officer and Remote Sensing Scientist, at organisations such as Airbus and Cambridgeshire Acre.

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

Campus

Cranfield campus

Entry requirements

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

This course comprises eight modules, a group project and an individual project. Courses are not isolated from the real world and many are supported by research groups working on cutting-edge programmes.

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.

GIS and Spatial Data Management

Scientific Python

Aerial Photography and Digital Photogrammetry

Applied Earth Observation

Image Processing and Analysis

Advanced GIS Methods

Environmental Resource Survey

Web Mapping

"My time at Cranfield prepared me for my current job in a variety of ways. Directly, group projects and working within a team of people who challenge your ideas and viewpoints is infinitely applicable in the work place. Indirectly, the heavy workload prepared me for balancing various projects in the workplace, developing my time management and communication skills."

Tally Bodnarec

GIS Officer, Geographical Information Management 2017

Accreditation

The MSc in Geographical Information Management is accredited by the Royal Institution of Chartered Surveyors and the Chartered Institution of Civil Engineering Surveyors.

Accreditation provides you with the assurance that the course has been independently assessed as meeting professional standards.

Class profile 2021/22

Gender:

Male 69% - Female 31%

Age Range:

20 - 54 years

Nationality:

UK/EU: 31% - International: 69%

Class Size:

16

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/opensday

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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