



Management and Information Systems

MSc/PgDip/PgCert

A major knowledge gap exists between managers in organisations who are confused by the IT systems, and the technical staff who deliver them. Our graduates play a crucial role in integrating the language and practice of management and technology in business. Develop your understanding of the interaction between IT, organisation and people behaviour to prepare you for managerial positions in business operations and ICT projects. The MSc course is accredited by the Institution of Engineering and Technology (IET), the Institution of Mechanical Engineers (IMechE), and the Royal Aeronautical Society (RAeS) for meeting the further learning requirements for Chartered Engineer registration.

Course structure

The course comprises eight assessed modules, a group project and an individual research project. The modules include lectures and tutorials, and are assessed through practical work, written examinations, case studies, essays, presentations and tests. These provide the 'tools' required for the group and individual projects.

Individual project

The individual research project is either industrially or Cranfield University driven. Students select the individual project in consultation with the Course Director. It provides students with the opportunity to demonstrate independent research ability, the ability to think and work in an original way, contribute to knowledge, and overcome genuine problems in manufacturing.

Group project

The group project experience is highly valued by both students and prospective employers. Teams of students work to solve an industrial problem. The project applies technical knowledge and provides training in teamwork and the opportunity to develop non-technical aspects of the taught programme. Part-time students can prepare a dissertation on an agreed topic in place of the group project.

Future career

The course takes you on to positions such as business systems analysts, management consultants, information systems managers, IT consultants, IS and e-commerce developers, knowledge managers, lecturers and researchers. Opportunities are diverse, with graduates progressing to senior positions in industry.

Example modules

Modules form only part of the course, with the project(s) and these making up the balance. Please see the course structure for details.

The list below shows the modules offered in the 2019-20 academic year, to give you an idea of course content. To keep our courses relevant and up-to-date, modules are subject to change – please see the webpage for the latest information.

Compulsory:

- Business Change Management,
- Business Data Analytics,
- Business Process Analysis and Engineering,
- Enterprise Modelling,
- Enterprise Systems,
- General Management,
- Operations Management,
- Project and Programme Management.

Duration:

MSc: Full-time - one year, Part-time - up to three years,
PgDip: Full-time - 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 science, engineering or related discipline, or the international equivalent of these UK qualifications. Other relevant qualifications, together with significant experience, may be considered.

Applicants who do not fulfil the standard entry requirements can apply for the Pre-master's course, successful completion of which will qualify them for entry to this course for a second year of study.

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

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For further information please visit
www.cranfield.ac.uk/mis