

Student funding available*

Management and Information Systems

MSc, PgDip, PgCert

Full and part-time

A major knowledge gap exists between managers in industrial, commercial and governmental organisations who need to run the business but are confused by the IT systems, and the 'techies' who deliver working IT solutions but are not addressing the business needs.

The MSc Management and Information Systems develops your understanding of the interaction between IT, organisation and people behaviour to prepare you for managerial positions in business operations and ICT projects. Graduates of this course play a crucial role in integrating the language and practice of management and technology in business.

Focus on your career

Successful students secure positions as business analysts, business change managers and project managers within a wide range of manufacturing, commercial business and public service organisations. The course also opens up opportunities in IT and management consultancy. On completion, graduates have a broad network of global contacts, increased opportunities for individual specialism in industry and/or consultancy, and the capability to make an immediate and real contribution to the competitiveness of business organisations.

Benefit from practical experience in your work-based projects

This course has been developed with a strong emphasis on applying knowledge in the industrial environment. 60% of this course is on project work. Full-time students work on sponsored group projects as mini-consulting engagements, in teams of four to eight, over a three month period. The majority of individual thesis projects are also sponsored by companies. Future employers value this experience. Companies that have recruited and sponsored project work include Rolls-Royce, Airbus, Proctor & Gamble, GSK, Santander, Toyota, Johnson & Johnson, Motorola and Ford Motor Company. Part-time students have the benefit of using the projects to address their employer's real business problems supported by academic supervision.

Study a professionally accredited course

The Management and Information Systems MSc 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.

Benefit from our expertise and facilities

You will be taught by leading academics and experienced practitioners in change management and IT drawn from Cranfield's network of partners, including Microsoft, IBM, BT Global Services and Atos Origin. This ensures you are aware of cutting edge tools, techniques and innovations. Cranfield boasts a range of facilities designed to support students and industrial partners. Our Laboratories support enterprise modeling, development and implementation, and are equipped with SAP R/3 and Siemens PLM software facilities for system design and configuration.

As part of the SAP University Alliance, students can participate in SAP certification programme at a fraction of the commercial price.



SAP | University
Alliances

Accredited by



Course details

Duration: Full-time: 1 year.
Part-time: 2-5 years.

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

***Funding:** Funding opportunities exist, including industrial sponsorship and School bursaries. For the majority of part-time students sponsorship is organised by their employers. For further information please visit: www.cranfield.ac.uk/sas/funding

Entry requirements: Candidates must possess, or be expected to achieve, a 1st or 2nd class UK Honours degree in a relevant discipline, or the international equivalent of these UK qualifications. Other relevant qualifications, together with significant experience, may be considered.

Who should apply?

- Graduates with science, engineering, IT or business related degrees keen to pursue careers in a range of industries, as well as academia
- Graduates currently working in industry keen to extend their qualifications, or to pursue a career change
- Individuals with other qualifications who possess considerable relevant experience

Course overview

The course comprises eight one-week assessed modules, a group project and an individual project. The modules include lectures and tutorials, and are assessed through written examinations and assignments. These provide the 'tools' required for the group and individual projects.

The industrial group project is an important learning experience for full-time students. This involves working in teams to fulfil demanding objectives within a tight time schedule, applying state-of-the-art technologies and approaches, and delivering results to a high professional standard. Industrially oriented, projects have support from industry and other external organisations.

The individual research project is either industrially or academically driven. Students select the subject 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 business challenges. The projects are sponsored by industrial organisations.

Structure

The three elements of the course are assessed as follows:

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| • Taught modules | 40% |
| • Group project* | 20% |
| • Individual project | 40% |

*work-based assignment or dissertation for part-time students.

Modules

Management

- General Management
- Business Management
- Operations Management

Enterprise systems

- Enterprise Modelling
- Enterprise Systems

Business change

- Business Process Analysis and Engineering
- Business Change Management
- Project and Programme Management

Why Cranfield University

Cranfield University is a wholly postgraduate university with an international community and a truly global reputation. With a top five ranking for student employment on graduation, an excellent rating for teaching, and exceptional facilities, Cranfield makes an ideal destination for advancing careers. All courses are designed to meet the training needs of industry and have a strong input from experts in their sector. Our focus is on applied research and developing industry's future engineers, managers, consultants, and entrepreneurs.

Contact

For further information and an application for please contact:

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This document is available online or as a text file in large font.

Note: Cranfield University reserves the right to change the programme without prior notification. Information correct at time of going to print.

