Information Capability Management

MSc/PgDip/PgCert

This course focuses on the value of information and the principles and practice that underlie secure, effective and efficient business systems that exploit information in order to provide business benefit. Students from Government departments, industry and other organisations within the UK and internationally come together to study and discuss issues and develop skills that will enable solutions now and in the future. There is a need to understand the strategic importance of information and develop agile, effective and secure ways to exploit it to its full potential. To do this, effective information capability management must be developed throughout the organisation so that the right information is available to the right people at the right time in an effective, efficient and secure manner. The internationally recognised Information Capability Management (ICM) MSc has been developed to address these important issues. Skilled professionals are needed to enable organisations to realise the strategic benefits that successfully exploiting information can provide.

Who is it for?

Students from Government departments, industry and other organisations within the UK and internationally come together to study and discuss issues and develop skills that will enable solutions now and in the future.

Course structure

MSc students must complete a taught phase consisting of 12 modules followed by an individual dissertation. PgDip students are required to undertake the same taught phase as the MSc, without the individual dissertation. PgCert students must complete one core module and five other modules.

Individual project

This is the opportunity for a student to utilise and demonstrate their understanding of the taught phase of the course. It is also an opportunity to develop skills and achieve a greater level of understanding in a specific area or areas of relevance to the course. Students are allocated a supervisor and have access to subject matter experts to support them in the project phase.

Future career

Takes you on to further senior career opportunities and to become one of the next generation of senior professionals delivering business benefit through exploitation of information with skills in appropriate areas including business analysis, strategy development and implementation, information assurance, cyber security, organisational development and strategic application of information systems.

Accreditation

The MSc of this course is accredited by two professional bodies, the British Computer Society (BCS) and the Chartered Institute of Library and Information Professionals (CILIP). Completion of the course can lead to chartered professional status.

Example modules

Modules form only part of the course, with the project(s) and theses 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:

• Cyber Security and Information Assurance,
• Data-led Decision Support,
• Data Modelling, Storage and Management,
• Digital Business Strategy,
• Emerging Technology Monitoring,
• Foundations of Information Systems,
• Methods and Tools for Information Systems Development,
• Organisational Development,
• Professional Issues,
• Programme and Project Management for Information Systems,
• Software Engineering,
• Systems Architecture.

Duration:
A student who registers for the PgCert will have a registration period of three years. For the PgDip this will be four years, and for the MSc five years. A full-time student will have a registration period of one year.

Start date:
September.

Location:
Shrivenham.

Entry requirements:
A first or second class Honours degree or equivalent in science, engineering or mathematics. Alternatively, a lesser qualification together with appropriate work experience may be acceptable. International students must provide evidence of English proficiency through a secure English language test. We accept IELTS, TOEFL, TOEIC, Pearson PTE Academic, Cambridge English Advanced and Proficiency. Our minimum requirements for each test can be found at www.cranfield.ac.uk/languagerequirements.

Contact details

T: +44 (0)1793 785220
E: cdsadmissionsoffice@cranfield.ac.uk

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