

# MSc in Advanced Information Systems

## Aims

This is a specialised MSc programme focusing on the following areas:

- Information Management
- Information Systems Development
- Advanced Computing Techniques

In addition to eight taught modules, there is a substantial practical project. Students who complete this MSc will have gained strong practical and theoretical knowledge of the above areas which they will be able to use in

- analysis of problems arising in information management and information systems development
- evaluation of technology options
- deployment of appropriate solutions
- research into, and development of, new technologies.

## Duration

One year full-time, two years part-time.

## Attendance

Up to four days a week full-time, up to three evenings a week part-time, October-September

## Special Features

The programme has been designed to meet the needs of both full-time students wishing to advance their knowledge of computing and information systems before embarking on a career in IT or on a research degree, and part-time students already working in the IT sector. The programme has a significant research element as several of the modules include investigation into recent research advances.

## Programme Content

This degree consists of eight taught modules and a substantial project.

Full-time students complete a three–four month project and follow eight taught module, which could include: Advances in Data Management; Data Warehousing and Data Mining; Component-based Software Development; Mobile and Ubiquitous Computing; Advanced Applications; Computational Intelligence and Visualisation; Image-based Information Processing; Internet and Web Technologies; Semantic Web; Knowledge Representation and Reasoning; Search Engines and Web Navigation.

Part-time students follow four of the taught modules in each of the two years, and undertake the project during the second year.

## Entry Requirement

The normal entrance requirements are a good first degree or MSc in Computer Science, with the syllabus covering a substantial amount of programming, preferably in an object-oriented language. It is also expected that students will usually have completed at least introductory courses on computer networks and databases. Joint-honours computing graduates may also be eligible for entry provided they have covered the necessary prerequisite material. **You must be an EU citizen or otherwise have the right to work full-time in the UK in order to enrol in a part-time course.**

For more information and online application form please visit <http://www.dcs.bbk.ac.uk/courses/ais>