University of Leicester

Departments of Computer Science and Economics

MSc/PG DIPLOMA

Software Engineering For Financial Services

Financial Services is not only one of the most dynamic sectors of the economy but also one of the two largest customers of IT.

This advanced postgraduate programme is offered jointly by Computer Science and Economics in order to give you a command of the software development methods and techniques that support the financial service economy, as well as a solid background on the business context and organisational structures that IT systems need to support in financial institutions.

Entry requirements

Candidates should have, or expect to gain, at least a good second class BSc honours degree or qualification of equivalent standard recognised by the University in a subject with a substantial element of Computing.

Applications are treated on an individual basis, and so alternative qualifications may be considered, especially in the case of candidates with relevant work experience.

Admissions

Admissions are in October and January. All candidates can apply for a departmental merit award. Additional scholarships are available for international (non-EU) students.

Course structure

You will take seven taught modules over two semesters and a special module on Personal and Group Skills that will provide you with skills that employers value very highly. If you wish to proceed for an MSc, you will undertake an individual project in a topic related to the course. This project is expected to contain some element of original work and may involve informal collaboration with other organisations.

There are four core modules in this programme:

- Corporate Finance
- Financial Services Information Systems
- Service-Oriented Architectures
- System Re-engineering

In addition, you will take a further three modules chosen from a list that includes topics in Finance (for instance Principles of Banking, International Money and Finance, or Financial Mathematics), Software Engineering (for instance, Domain Specific Languages, Software Process Engineering, or Advanced Web Technologies), and other areas of Computer Science (for instance Cryptography and Information Security).

Additional information is available from www.cs.le.ac.uk
You can also contact us through csmsc@mcs.le.ac.uk