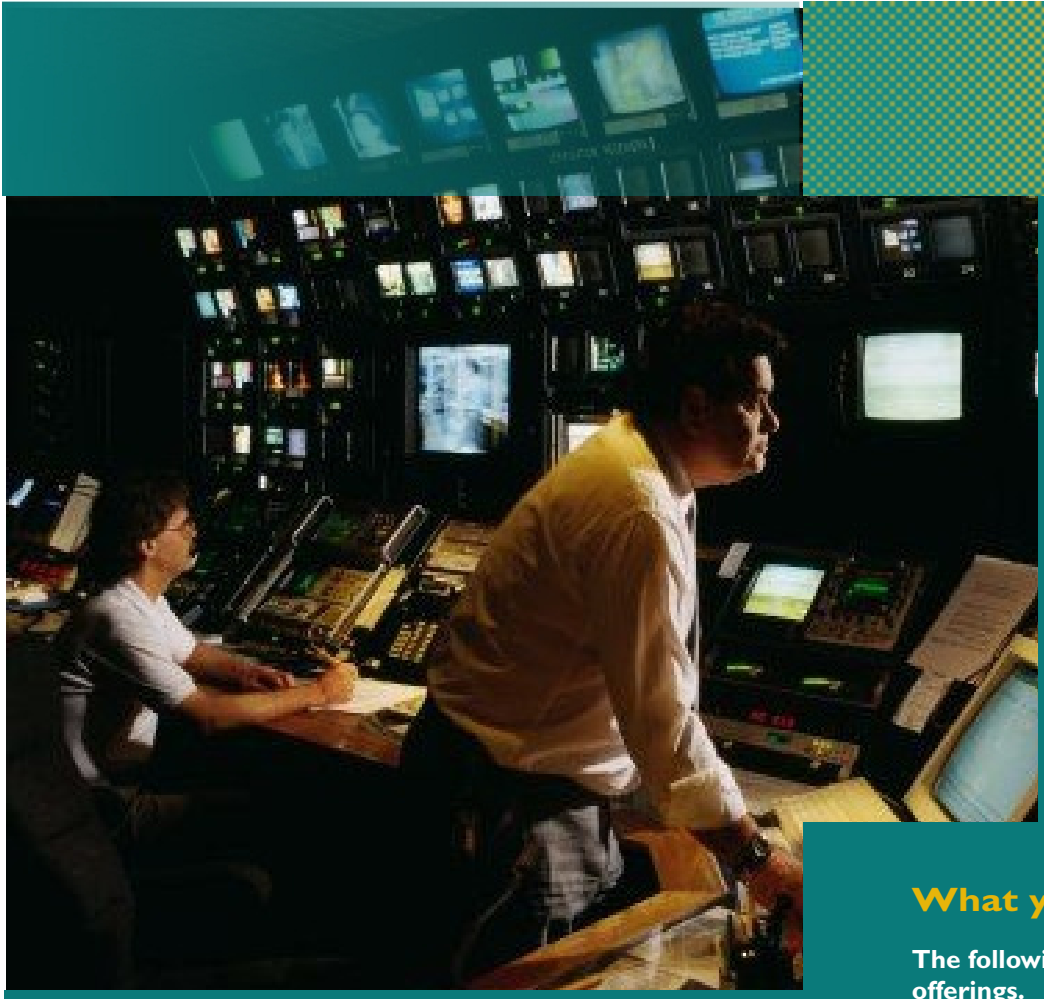

BSc (Hons) Computing

About the course

This course offers a broad coverage of computing subjects, with a core of key computing skills and options in a wide range of computing areas. Students are involved in systems analysis activities, technical and human aspects of design and software development. The course has run successfully here for many years, with continuous developments to modules to ensure current and future trends are examined.

What you will learn

Core skills include programming, software design, database design, systems analysis, and object-oriented development.

Duration

3 year full-time

Start dates

September and January

Professional accreditation

In the UK, full exemption has been granted by the British Computer Society (BCS). This means that this course is accredited as partially meeting the educational requirement for CEng/CSci registration. This is the highest level of accreditation that can be awarded to a BSc (Hons) course by the BCS.

Career and Professional Development

Computing graduates are in short supply, so career prospects are very good in business computing, programming and systems analysis. Typical employment includes programming, systems analysis, network support, computer support desks and database administration. You will develop skills in analysing and designing software systems. Subject-specific skills include programming in various languages, use of a variety of operating systems, systems analysis, database design and implementation, and web programming. Teamwork and communication skills are developed throughout. Research and implementation skills are developed through the Project module.

What you will study

The following is an indicative list of module offerings.

Level 1

Information Systems
Networking Basics
Core Skills
Introduction to Programming
Programming and Design
Computer Systems Architecture
Visual Programming 1
Internet 1

Level 2

Visual Programming 2
Database Theory and Practice
Systems Analysis
Data Structures and Algorithms
Object Oriented Methods 1
Networks and Communications
Developing Internet Systems
Human Computer Interaction

Level 3

Professional Issues in Computing; Project
Advanced Database Systems
Client Server Solutions
Integrating Business Website
Software Engineering
Web and Systems Based Programming
Electronic Commerce
Internet Security

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