

BSc (Hons) Computing & IS

This degree will give you the fundamental skills needed to become an information systems professional. You will learn how to turn a proposal into a working system that can develop and grow to meet new and changing needs.

It is the aim of the degree to give you a wide appreciation of the subject, rather than just an understanding of existing commercial approaches, so that your understanding and knowledge can adapt and evolve to match the skills that will be required in the twenty-first century.

Who is it for?

This degree is designed for a wide range of students, including those who

- Wish to pursue a career in management, software engineering or computer programming, based on a strong technical competence in information systems.
- Wish to move on to study for higher degrees in the computing and information technology area.
- Have no prior knowledge of computing.

Features of the Degree

This degree gives a strong emphasis to decrease the widening gap of understanding and communication between technical computing specialists and business management.

It will give you the ability to become a leader, a technically competent manager, able to comprehend management requirements for the organisation in business terms and lead a team of technical professionals in providing IS solutions that meet such needs.

The degree will be valued by employers who are looking for people who can demonstrate logical and quantitative reasoning (e.g. accountancy, banking, general management).

Year ONE

- CIS102** Mathematics for computing
- CIS108** Infosystems: Foundations of e-business
- CIS109** Introduction to Java & object oriented Programming
- CIS110** Introduction to computing and the Internet
- CC001** Mathematics for Business

Year TWO

- CIS209** Database systems
- CIS212** Programming: advanced topics techniques
- CIS222** Data communication and enterprise networking
- CIS226** Software engineering: algorithm design & analysis

Year THREE

Choose six half units and project

- CIS310** Artificial intelligence
- CIS311** Neural networks
- CIS314** Software engineering management
- CIS315** Human computer interaction
- CIS316** Mathematical techniques of operational research
- CIS318** Information systems management
- CIS320** Project
- CIS323** Electronic commerce
- CIS325** Data Compression
- CIS326** Computer security

The **BSc (Hons) Computing & IS** is offered to students under the International Programmes of the University of London. The Lead College of this degree is **GOLDSMITHS COLLEGE**.

St Martin's Institute of IT is an Affiliate Centre of the University of London, offering tuition for BSc(Hons) Computing & IS.

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