

# Information Management and Computing

**This programme is administered by the Department of Information Science in conjunction with the Department of Computer Science and meets the demand for graduates with interdisciplinary skills for application across the whole range of computer and information based industries.**

It offers an integrated approach to all aspects of information handling and processing with an emphasis on information representation, communication and management. The programme has a common first two years with the Information Management and Web Development Programme, enabling students the opportunity to switch the focus of their studies if they wish in the final year.

Expected intake: 20 students per year.

## Employment Results

Statistics for graduates are very good with past graduates finding employment with Companies such as Hewlett Packard, IBM, BT, Fujitsu, Unilever, J P Morgan and American Express. Graduate job titles have included Project Manager, Business Analyst, Network Support Engineer, and Information Manager.

## Graduate Profile

Daniel Clarkson, after graduating from Loughborough, studying IMC in July 2009, joined Accenture (Management Consulting) working on a number of exciting Digital Marketing / Collaboration and Information Management projects.

## Teaching Methods

A mix of lectures, tutorials and practicals including group work. Assessment methods include written work: projects, essays, reports and continuous assessment (including Computer Aided Assessment).

## Pre-Programme Experience

Knowledge of IT and computing is valuable. Students must have a desire to learn how web-based products are designed and constructed. Problem solving skills would be an advantage.

## BSc (Hons)

UCAS Code: G462 BSc/InfMC  
Programme Length: Three years

## BSc (Hons) DPS

UCAS Code: G563 BSc/InfMC4  
Programme Length: Four years with sandwich  
Tutor: Dr Steve Probets

## Typical Offer:

A Level qualifications: 300 points from:  
two subjects at A Level + a third subject at A Level or  
two subjects at AS Level (General Studies is an  
acceptable A Level).

## Other Qualifications:

Vocational A Level (VAL): 300 points from a minimum  
of 18 units (any combination of VAL units, A Level  
units, AS Level units).

BTEC, GNVQ, ACCESS, International Baccalaureate,  
Irish, Scottish and other qualifications will be  
considered individually by the Admissions Tutor.  
Mature students are encouraged to apply. Please  
contact us prior to application to discuss our  
requirements.

## Additional Requirements:

GCSE Mathematics grade C

## For further information please contact:

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**YEAR ONE**

<b>Compulsory Core Modules</b>	<b>Credits</b>
Computer Systems	10
Databases	10
Essential Skills for Computing	10
Knowledge, Data and Information in Organisations	10
Knowledge, Data and Information in Society	20
Programming for the WWW	20
Server-side programming	10
Information & Knowledge Organisation & Retrieval	20
Web Design	10
<b>Total Credits to be taken</b>	<b>120</b>

**YEAR TWO**

<b>Compulsory Core Modules</b>	
Knowledge, Data and Information Systems	20
People Centred Information Systems	10
Operating Systems, Networks and Internet (1)	10
Research Methods	10
Requirements Analysis	10
Systems Design & HCI	10
Records Management in Organisations	20
Team Projects	20
<b>Plus 1 optional module from 2 departments below:</b>	
<b>Computer Science</b>	
2D Computer Graphics	10
Operating Systems, Networks and Internet (2)	10
<b>Physics</b>	
Science of the Internet & Networks in Nature/Society	10
<b>Total Credits to be taken</b>	<b>120</b>

**Please Note:** All modules are subject to change and availability. This is particularly relevant to optional modules which may not be available from time to time due to timetable clashes. The Department will direct students to available modules for that particular year.

**Optional Year Out in Industry**

(4 Year BSc Single Honours with one year placement: UCAS code G563 BScInfMC4 )

A year out paid placement provides students with an opportunity to gain work experience and professional training.

All students are helped in selecting an appropriate placement by our Liaison and Training Officer. Work experience gained during this period often helps students in their future career choice.

Each student undertakes an agreed project for the employer and submits a report on the placement. A tutor will visit the student during the year out.

Work experience allows students to offer practical experience within lectures and tutorials, benefiting everyone on the programme.

Successful completion results in the award of the Diploma in Professional Studies in addition to the BSc Degree.

**FINAL YEAR**

<b>Compulsory Core Modules</b>	<b>Credits</b>
Business Intelligence and Analysis	10
Managing Projects: Managing Knowledge	10
Management of Information Systems and Services	10
Project	30
Software Project Management	10
<b>Plus 5 optional modules from 3 departments below:</b>	
<b>Computer Science</b>	
International Computing	10
Advanced Human Computer Interaction	10
Data Mining	10
E-Commerce Security	10
Operating Systems, Networks and the Internet (2)	10
E-Business Planning and Marketing	10
Knowledge-based Decision Support	10
<b>Information Science</b>	
Culture and Change Management	10
Electronic Information Management	10
Gender and Information	10
Business Information Systems	10
Information and Knowledge Management in the NHS	10
Consumer Health Information	10
Markup Languages for the Web	10
Social Informatics	10
<b>Module from the Design School</b>	
Systems Ergonomics	10
<b>Total Credits to be taken</b>	<b>120</b>