

**BSc in Information Communication Technology  
For students entering Part 1 in 2008/9**

**UCAS code:**

Awarding Institution:	University of Reading
Teaching Institution:	University of Reading
Relevant QAA subject Benchmarking group(s):	Computing
Faculty:	Faculty of Science
Programme length:	2 years
Date of specification:	16/Oct/2009
Programme Director:	
Programme Advisor:	
Board of Studies:	
Accreditation:	

**Summary of programme aims**

This programme provides a route for students who have successfully completed a Foundation Degree in Information Communication Technology to proceed to Honours level. The aim is to develop knowledge, skills and attributes of students already working in ICT to enable them to expand their roles and responsibilities in their chosen field and to enhance their career prospects within the IT sector.

**Transferable skills**

During the course of their studies at Reading, all students will be expected to enhance their academic and personal transferable skills in line with the University's Strategy for Learning and Teaching. In following this programme, students will have had the opportunity to develop such skills, in particular relating to career management, communication (both written and oral), information handling, numeracy, problem-solving, team-working, and use of information technology, and will have been encouraged to further develop and enhance the full set of skills through a variety of opportunities available outside their curriculum.

**Programme content**

Students should take the following modules, worth 120 credits, part time over two years, or both parts in one year.

**Part 1** (three Terms)

Compulsory modules:

CS2TR6	E-Business	20	I
	2		
CS3TM7	Research	20	H
	Skills		
CS3TN7	Group	20	H
	Project		

**Part 2** (three Terms)

Compulsory modules:

CS3TU4	Individual	40	H
	Project		
MM374	Informatics	20	H
	for E-		
	Enterprise		

There is no optional material.

**Progression requirements**

N/A

A student must obtain at least 40% in their Project (CS3TU4) to be eligible for Honours.

**Summary of teaching and assessment**

Teaching is organised in modules that typically involve both lectures and practical work. Most modules are assessed by a mixture of coursework and formal examination. However, some modules are assessed only as

coursework while others are assessed solely by examination. Details are given in the relevant module descriptions.

### **Admission requirements**

Gaining at least 60% in an approved Foundation Degree related to ICT, such as those awarded by the University of Reading.

**Admissions Tutor:** Dr M Evans

### **Support for students and their learning**

University support for students and their learning falls into two categories. Learning support includes IT Services, which has several hundred computers, and the University Library, which across its three sites holds over a million volumes, subscribes to around 4,000 current periodicals, has a range of electronic sources of information and houses the Student Access to Independent Learning (S@il) computer-based teaching and learning facilities. There are language laboratory facilities both for those students studying on a language degree and for those taking modules offered by the Institution-wide Language Programme. Student guidance and welfare support is provided by Personal Tutors, School Senior Tutors, the Students' Union, the Medical Practice and the Student Services Centre. The Student Services Centre is housed in the Carrington Building and includes the Careers Advisory Service, the Disability Advisory Service, Accommodation Advisory Team, Student Financial Support, Counselling and Study Advisors. Student Services has a Helpdesk available for enquiries made in person or online, or by calling the central enquiry number on (0118) 378 5555. Students can get key information and guidance from the team of Helpdesk Advisers, or make an appointment with a specialist adviser; Student Services also offer drop-in sessions on everything from accommodation to finance. The Carrington Building is open between 8:30 and 17:30 Monday to Thursday (17:00 Friday and during vacation periods). Further information can be found in the Student Diary (given to students at enrolment) or on the Student website.

Within the providing Department additional support is given through practical laboratory classes. The development of problem-solving skills is assisted by appropriate assignment and project work. There is a Course Adviser to offer advice on the choice of modules within the programme. Course handbooks are provided for each Part of the course: these give more details about the modules which make up the degree. In addition, the School of Systems Engineering produces a Handbook for Students, which provides general information about the staff and facilities within the school.

### **Career prospects**

This degree is designed for students already working in the ICT sector. It is expected that graduates will continue to work in the area, and that the degree will open more opportunities for work in both technical and managerial positions.

Students will be encouraged to apply for exemption from British Computer Society.

### **Opportunities for study abroad or for placements**

N/A

### **Programme Outcomes**

#### **Knowledge and Understanding**

##### **A. Knowledge and understanding of:**

1. Software
2. Practice
3. Hardware
4. Communication and interaction
5. Theory

##### **Teaching/learning methods and strategies**

In both years students undertake a mix of taught modules and project work, that will develop knowledge and understanding in all these areas as related to ICT.

##### *Assessment*

Knowledge is tested through a mixture of formal examinations and practical work.  
Skills and other attributes

## Skills and other attributes

### B. Intellectual skills - *able to:*

1. Demonstrate knowledge and understanding related to aspects outlined above.
2. Apply such knowledge and understanding to the modelling of computer systems.
3. Recognise and analyse criteria and specifications appropriate to a specific problem.
4. Critically evaluate and test a computer based system.
5. Deploy appropriate methods and tools for creating computer systems.
6. Reflect and communicate

### C. Practical skills - *able to:*

1. Specify, design and construct ICT systems.
2. Evaluate ICT systems
3. Recognise Risks and Safety aspects
4. Effectively deploy software tools

### D. Transferable skills - *able to:*

1. Effectively retrieve information
2. Present cases in a quantitative dimension.
3. Manage own learning and development.
4. Appreciate the need for continuing professional development (CPD), be able to plan and execute their own CPD
5. Organise and work as part of a team.
6. Plan and manage their own careers.
7. Communicate in a manner appropriate to the situation.
8. Effectively use Information Technology.

### Teaching/learning methods and strategies

In both years students undertake a mix of taught modules and project work, which will build on the skills acquired in their Foundation Degree.

#### *Assessment*

These skills are tested through a mixture of formal examinations, presentations, reports and practicals. The individual project provides a major piece of work in which among other things the student will be assessed on their abilities to reflect and communicate. Oral presentations will be required throughout the course.

### Teaching/learning methods and strategies

In both years students undertake a mix of taught modules and project work, which will build on the skills acquired in their Foundation Degree.

#### *Assessment*

These skills will be assessed by a mixture of practical work and examination.

### Teaching/learning methods and strategies

The Research Skills module will consolidate these skills, which will be practiced in the other modules.

#### *Assessment*

These skills will be assessed by a mixture of practical work and examination.

**Please note - This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in the module description and in the programme handbook. The University reserves the right to modify this specification in unforeseen circumstances, or where the process of academic development and feedback from students, quality assurance process or external sources, such as professional bodies, requires a change to be made. In such circumstances, a revised specification will be issued.**