BSc in Information Communication Technology   **UCAS code:**
For students entering Part 1 in 2010/1

Awarding Institution: University of Reading
Teaching Institution: University of Reading
Relevant QAA subject Benchmarking group(s):   Computing
Faculty: Science Faculty
Programme length: 2 years
Date of specification: 14/Mar/2012
Programme Director: Dr Richard Mitchell
Programme Advisor:
Board of Studies: UG Systems Engineering
Accreditation: Not applicable

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

Mod Code	Module Title	Credit	Level
CS2TR6	E-business 2	20	5
CS3TM7	Research Skills	20	6
CS3TN7	Group Project	20	6

Part 2 (three terms)
Compulsory modules

Mod Code	Module Title	Credit	Level
SE3IP11	Individual Project	40	6
MM374	Informatics for E-Enterprise	20	6

Progression requirements
N/A

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 G Di Fatta

Support for students and their learning

University support for students and their learning falls into two categories.   Learning support is provided by a wide array of services across the University, including: the University Library, the Student Employment, Experience and Careers Centre (SEECC), In-sessional English Support Programme, the Study Advice and Mathematics Support Centre teams, IT Services and 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 advisers in the Student Services Centre. The Student Services Centre is housed in the Carrington Building and offers advice on accommodation, careers, disability, finance, and wellbeing. 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 and runs workshops and seminars on a range of topics. For more information see www.reading.ac.uk/student

Within the providing Department additional support is given though 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:	**Teaching/learning methods and strategies**
1. Software 2. Practice 3. Hardware 4. Communication and interaction 5. Theory	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:*	**Teaching/learning methods and strategies**
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.	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

5. Deploy appropriate methods and tools for creating computer systems.
6. Reflect and communicate

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.

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

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.

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

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.