

BSc Information Communication Technology

For students entering Year 1 in 2007

Awarding Institution: The University of Reading
Teaching Institution: The University of Reading
Relevant QAA subject benchmarking group(s): Computing
Faculty of Science Programme length: 2 years part time 1 year full
Date of specification: 5th February 2007
Programme Director:
Programme Adviser:
Board of Studies: Information Technology
Accreditation: British Computer Society (can be applied for individually)

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

The University's Strategy for Teaching and Learning has identified a number of generic transferable skills which all students are expected to have developed by the end of their degree programme. In following this programme, students will have had the opportunity to enhance their skills relating to career management, communication (both written and oral), information handling, numeracy, problem-solving, team working and use of information technology.

As part of this programme students are expected to have gained experience in the following transferable skills IT (programming, word processing, databases and use of standard software), technical writing, oral presentations, team-working, problem-solving, use of library resources, time-management, career planning and management, and business awareness.

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)	Credits	Level
<i>Compulsory material</i>		
CS2TR6 E-business 2	20	I
CS3TM7 Research Skills	20	H
CS3TN7 Group Project	20	H
Part 2 (three terms)	Credits	Level
<i>Compulsory modules</i>		
CS3TU4 Individual Project	40	H
MM374 Informatics for E-Enterprise	20	H

There is no optional material.

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 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, the Careers Advisory Service, the University's Special Needs Advisor, Study Advisors, Hall Wardens and the Students' Union.

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

Educational aims of the programme

To supplement and develop the students' existing knowledge of the practice and underlying theory of Information Communication Technology, necessary for them to progress as a professional in a wide variety of industries; to encourage their critical and analytical skills; and to develop their skills in applying practical concepts to the design of computer systems, and the development of Management Information Systems.

Programme Outcomes

Knowledge and Understanding

<p>A. Knowledge and understanding of:</p> <ol style="list-style-type: none">1. Software2. Practice3. Hardware4. Communication and interaction5. Theory	<p>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.</p> <p><i>Assessment</i> Knowledge is tested through a mixture of formal examinations and practical work.</p>
<p>Skills and other attributes</p>	
<p>B. Intellectual skills – able to:</p> <ol style="list-style-type: none">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	<p>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.</p> <p><i>Assessment</i> 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.</p>
<p>C. Practical skills – able to:</p> <ol style="list-style-type: none">1. Specify, design and construct ICT systems.2. Evaluate ICT systems3. Recognise Risks and Safety aspects4. Effectively deploy software tools	<p>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.</p> <p><i>Assessment</i> These skills will be assessed by a mixture of practical work and examination.</p>

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 processes or external sources, such as professional bodies, requires a change to be made. In such circumstances, a revised specification will be issued.