



Birmingham City University

**Faculty of Technology, Engineering
and the Environment**

Undergraduate Programme

Programme Specification

**BSc (Hons) Enterprise Information
Systems**

Date of Course Approval/Review	Version Number	Version Date
May 2012	1.00	

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Definitive Documents and Version Control

This document has a version number and reference date in the footer.

The process leading to the introduction of new courses, major changes to courses, and minor changes to courses and modules follows the appropriate formal procedure as described in the Faculty's Academic Procedures and Quality Manual.

On the front sheet of this document, the date of course approval/review refers to the most recent full approval/review event. If later, the version date will be that of the most recent subsequent event at which formal consideration was given to course changes.

Further details about the course and document development may be obtained from minutes of the approval or minor changes board. A history of the document since the last full approval/review event is summarised in the table below and further information relating to past versions can be obtained from the Faculty Office.

Version	Event	Date of event	Authorised by
1.0	Approval meeting	May 2012	Dean of Faculty
1.0	Approval meeting - conditions		Panel Chair

Programme Specification

BSc (Hons) Enterprise Information Systems

Date of Publication to Students: [Sept 2012]

NOTE: This specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes advantage of the learning opportunities that are provided. More detail on the specific learning outcomes, indicative content and the teaching, learning and assessment methods of each module can be found (1) at <https://mytid.bcu.ac.uk/>, (2) in the Module Specifications and (3) in the Student Handbook.

The accuracy of the information contained in this document is reviewed by the University and may be checked within independent review processes undertaken by the Quality Assurance Agency.

Awarding Institution / Body:	Birmingham City University
Teaching Institution:	Birmingham City University
Interim Awards and Final Award:	BSc (Hons)
Programme Title:	Enterprise Information Systems
Main field of Study:	<i>Enterprise Information Systems, Enterprise Technology, Human Innovation and Management, and Applied Projects.</i>
Modes of Study:	Full Time, Part Time, Sandwich.
Language of Study:	English
UCAS Code:	N212
JACS Code:	N212

Professional Status of the programme:

It is intended that the BSc (Hons) Enterprise Information Systems course be accredited by the Institution of Engineering and Technology as satisfying the academic requirements for Incorporated Engineer status (IEng).

Relevant subject benchmark statements and other external reference points used to inform programme outcomes:

The programme has been benchmarked against the UK-SPEC and QAA's FHEQ. There is no directly applicable QAA Subject Benchmark Statement however it has been mapped against the closest match, the Subject Benchmark Statement for Engineering.

IET accreditation requirements have also been considered in the design of the programme and industry has been consulted regarding the expectations they have of graduates from this programme.

Programme philosophy and aims

The Faculty of Technology, Engineering and the Environment offers a vibrant learning environment for a study programme that places emphasis on innovation and practical applications relevant to career needs. The BSc Enterprise Information Systems course aims to produce the next generation of professionals and consultants in Enterprise Systems as junior system engineers with technical and soft skills acquiring a broad mix of theoretical knowledge and practical skills in the analysis, design, development and evaluation of enterprise systems solutions within a commercial organisation. The program will also offer opportunities to gain industry recognised SAP certification.

Students will benefit from the outstanding resources and facilities at our Millennium Point campus where they will use the latest industry standard enterprise systems tools and techniques from SAP. Students will benefit from the strong links the School of Engineering, Design and Manufacturing Systems has with regional, national and international partners in the field and with SAP, which ensures that the course equips students with up-to-date skills relevant to the needs of employers. Additional benefits include access to relevant final year industry-based projects.

This course is designed primarily to address the demand from industry partners and the market in the UK for home-grown SAP certified consultants with enterprise systems background. The programme will also be of interest to industry-sponsored students in the part-time day-release mode – HNC holders enter at level 5 (equivalent to full-time year 2) who could complete a day-release programme in three years. Regular updates to course content ensure currency with developments in industry.

Students have the opportunity to engage with a variety of projects and collaborative ventures, including for example:

- The Annual SAP UK & Ireland User Group
- Projects and visits with Industry partners

- Visits to BCU graduate's places of employment, for example, SAP, Birmingham City Council, Derbyshire Council, Aurum Holdings.
- Extra-curricular activities, including attending SAP workshops.
- Further projects and placements with non-SAP partners;

The School has close links with major employers in the region and so aims to enhance the student learning experience through case studies, projects and industrial placements.

The School has a number of links with industry, including Birmingham City Council, HCL Axon, Atos, Cognizant, Derbyshire council, Aurum Holdings and EdenHouse, allowing students to gain industry experience. Also students can proceed further by progressing to postgraduate qualifications, research activity and industrial based KTP's.

Career prospects are expected to keep pace with continuing rapid advances in the management of enterprise information systems leading to increased demand for competent, versatile graduates who can design and implement innovative solutions for industry. The course aims to enable students to meet this demand.

The aims of the programme are to provide learners with:

- A curriculum which provides a broad range of subjects to facilitate the development of abilities, pursuit of interests and promotion of career development, and which gives the learner a stake in his/her study programme;
- A course of study that develops the student intellectually and creatively by combining knowledge of new technologies, agile project management and business processes, and business skills and practices relevant to the enterprise systems industry;
- A wide range of transferable and marketable skills and knowledge leading to employment opportunities in a variety of roles within enterprise systems and associated industries;
- Teaching and learning techniques which place emphasis on active and participative education;
- An opportunity to participate in enterprise systems solutions and configuration at various levels and gain practical experience;
- An opportunity to acquire some of the skills necessary for lifelong learning.

Intended learning outcomes and the means by which they are achieved and demonstrated:

Learning Outcomes

1. Knowledge and Understanding

On completion of the course, students should be able to demonstrate knowledge and understanding of:

- KU1. Apply the principles of enterprise management systems.
- KU2. Apply an agile approach to managing projects
- KU3. Recognise the need for multi-skilled business process analyst and technologists in a variety of industrial and commercial environments.
- KU4. Compare visual modelling techniques to represent organisational data and business processes.
- KU5. Evaluate a variety of enterprise information systems.
- KU6. Analyse the impacts of social, cultural, economic and political factors on enterprise systems' development.
- KU7. Discuss organisational, teamwork and practical management approaches employed in a variety of industrial and commercial environments.

2. Intellectual Skills

On completion of the course, students should be able to:

- IS1. Critically evaluate enterprise management systems requirements.
- IS2. Apply creative, technical and practical problem solving techniques to a variety of industrial and commercial scenarios.
- IS3. Evaluate various systems methodologies and application frameworks.
- IS4. Apply various business management methods, tools and techniques for enterprise solutions and applications.
- IS5. Analyse business process operations across a range of sectors and organisation functional areas
- IS6. Evaluate strategic approaches for managing organisation enterprise management systems.
- IS7. Apply analytical tools and techniques to the personalisation of enterprise system information.
- IS8. Apply Industry Standards and Governance.

3. Practical Skills

On completion of the course, students should be able to:

- PS1. Configure business processes for an enterprise information system integration solution.
- PS2. Demonstrate the ability to capture, analyse, plan and undertake tasks, work to deadlines, and accept accountability for decisions.
- PS3. Apply appropriate methodologies to the realisation of a major enterprise systems project.
- PS4. Collect relevant information, assimilate knowledge, marshal a coherent and rational argument, and relate theory to practice.

- PS5. Express independent conclusions based on a rigorous, analytical and critical assessment of argument, opinion and data.
- PS6. Use appropriate laboratory and workshop equipment to execute a series of applied experiments.
- PS7. Demonstrate the ability to work both in teams and as an individual.

4. Transferable/Key Skills

On completion of the course, students should be able to:

- TS1. Work with, and relate effectively to, others;
- TS2. Manage time and prioritise workloads;
- TS3. Use proficiently information and materials from a variety of sources and make effective oral and written presentations;
- TS4. Access and make appropriate use of relevant numerical and statistical information;
- TS5. Make effective use of information and communications technologies, including word and data processing packages, the Internet, email and electronic information retrieval systems;
- TS6. Understand career opportunities and begin to plan a career path;
- TS7. Show confidence and self-awareness, reflect on own learning, and be self-reliant and constructively self-critical.

Learning, teaching and assessment methods used

Knowledge, understanding and intellectual skills are acquired through formal lectures, practical workshops, the use and application of ICT, and other directed independent learning activities at all stages.

Assessment may be formative and summative, including practical work in each year of study, individual and group presentations, written coursework, laboratory experimentation, examinations (seen and unseen, open and closed book). The assessment criteria for each module are published within each specified module guide. Analytical and problem solving skills are further developed using a range of appropriate 'real' and 'theoretical' case studies and problem and task based learning scenarios.

The acquisition of appropriate and transferable practical skills is central to the learning strategy of the programme. Initiative and independence are fostered throughout, and develop incrementally as the course progresses. Emphasis is placed on guided, self-directed and student-centred learning, with increasing independence of approach, thought and process. Learners are encouraged to plan their own work schedules and are required to meet strict deadlines. Diaries/logbooks are required to be kept in some modules. Learners undertake a major individual practical/research project and complete a related dissertation.

Knowledge and understanding are acquired through formal lectures, tutor-led seminars and practical activities, and a range of independent learning activities.

Emphasis is placed on guided, self-directed and student-centred learning with a progressively increasing independence of approach, thought and process. This independent learning includes an element of peer review in order to evaluate the effectiveness of the learning.

Lectures are used to introduce themes, theories and concepts, which are further explored in seminars. Technology enhanced learning is used, where appropriate, through the provision of online resources, discussion forums and other activities. Textbooks are used, together with professional material and journal articles, in order to ensure that students develop a critical understanding of work at the forefront of their discipline. The module guides direct students to a full range of resources, including books and journals, as well as specialised course-based material.

Analytical and problem solving skills are further developed using a range of appropriate 'real' and 'theoretical' case studies and problem-based learning scenarios.

Practical, including lab-based, sessions are used throughout the programme to develop practical skills and to place theory in a work-related context. Where appropriate, students use commercial development environments.

Transferable/key skills are pervasive and incorporated into modules and assessments as appropriate, e.g. team-working skills are fostered via group activities. Learners are encouraged to plan their own work schedules and are required to meet deadlines. Reflection and self-awareness are fostered throughout.

A range of assessment methods is employed, assessment criteria being published in each assignment brief. Knowledge and skills are assessed, formatively and summative, by a number of methods, which may include coursework, examinations, presentations, practical assignments, viva's, online forums, podcasts, and project work.

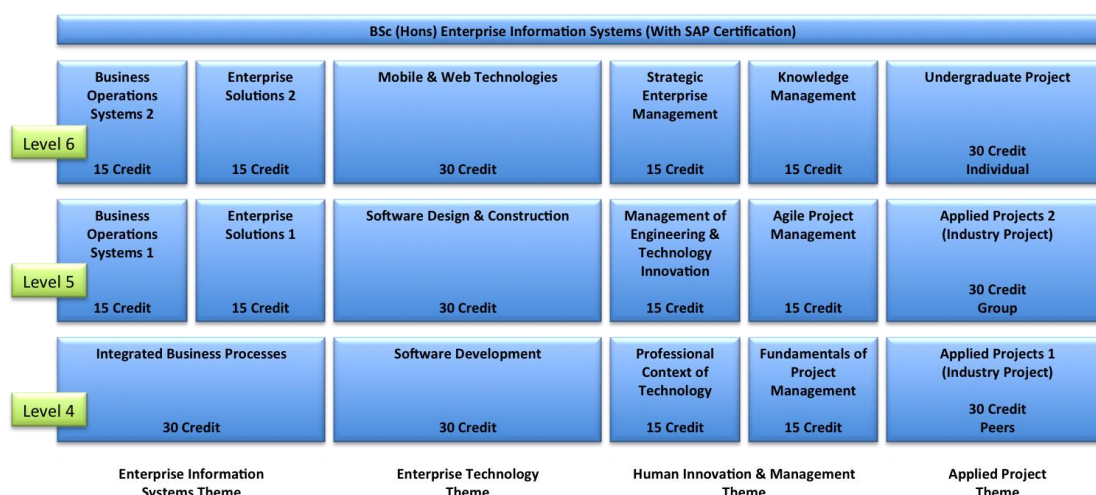
Programme structure and requirements, levels, modules, credits and awards

This BSc programme is normally studied over three years full-time, although a 4-year full-time sandwich option is available. A part-time route may also be available.

The course is divided into taught modules of 15 and 30 credits. Each credit represents 10 notional hours of student learning and assessment.

The structure of the course, the modules, levels and credit values, and the awards, which can be gained, are shown in the diagram below.

BSc (Hons) Enterprise Information Systems



Support for Learning including Personal Development Planning (PDP)

Students are encouraged to identify and, with guidance, to reflect on their own learning needs and are offered the following support as appropriate to meet those needs:

- An induction programme dealing with orientation and the dissemination of essential information, including an introduction to PDP;
- A dedicated Learning Centre with open access learning materials, resources and full-time staff specialising in a variety of support areas;
- A Student Handbook, containing information relating to the University, Faculty, School, course and modules;
- Access to administrative staff and to academic staff, including the tutors and Course Director;
- Support staff to advise on pastoral and academic issues;
- Access to Faculty resources, including a range of IT equipment and the services of, and guidance from, IT support staff;
- Access to the University's Student Services, including those offered by the careers service, financial advisers, medical centre, disability service, crèche, counselling service and chaplaincy;
- Provision of resources for Professional Development Planning (PDP) to enable reflection on learning, performance and achievement and to plan personal, educational and career development. The university offers a range of on-line courses (www.moodle.bcu.ac.uk) to support PDP topics including: Reflection, Career & Employability, Action Planning, Self-Awareness and Self Employment.

Criteria for admission

Candidates must satisfy the general admission requirements of the programme.

The current admission requirements can be found under the 'Entry Requirements' tab of the web page for this course.

Methods for evaluation and enhancement of quality and standards including listening and responding to views of students

The following Faculty committees are involved in evaluation and enhancement of quality, standards and student experience: Board of Studies, Faculty Board and its sub-committees – Learning and Teaching Committee, and Academic Standards and Quality Enhancement Committee.

Evaluation processes, in which students are involved, include annual course and module reviews, course review and re-approval events, professional body accreditation visits and external examiner visits. Mechanisms for student input include meetings with course tutors, feedback questionnaires, faculty and university student satisfaction surveys and representation on the committees referred to above.

External examiners are members of examination boards and their remit includes meeting students and monitoring and reporting on academic standards.