



**Birmingham City University
Faculty of Technology, Engineering
and the Environment**

Postgraduate Programme

Programme Specification

**MSc Enterprise Systems
Management**

Date of Course Approval/Review	Version Number	Version Date
21 April 2010	1.01	24 March 2010

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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. The version date will be that of the most recent 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
1.01	Approval meeting	21 Apr 2010	Dean of Faculty

Programme Specification

MSc Enterprise Systems Management

Date of Publication to Students: September 2010

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:	Postgraduate Certificate Postgraduate Diploma Master of Science
Programme Title:	Enterprise Systems Management
Main fields of Study:	Enterprise Resource Planning, Manufacturing Systems, Project Management, Logistics and Distribution
Modes of Study:	Full Time, Part Time and Distance Learning
Language of Study:	English
UCAS Code:	N/A
JACS Code:	TBA

Professional Status of the programme (if applicable):

The programme will offer a route towards SAP certification.

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

There are no specific subject benchmarks, however the FEHQ Master's degree characteristics, (September 2009) and the QAA Framework for Higher Education Qualifications in England, Wales and Northern Ireland, (August 2008) at level 7 have been consulted in the development of this programme.

Programme philosophy and aims

This programme aim is to provide students with knowledge of, and skills to design, implement and evaluate, Enterprise Resource Planning (ERP) and information systems for commercial organisations. The programme will enable students to acquire and develop a thorough technical, practical and theoretical understanding of enterprise systems that are fit for purpose and will lead to SAP certification. The programme is designed for both full and part-time modes and will utilise teaching and learning strategies and tools as supported by the University in the delivery of similar programmes such as Moodle, Wimba, Mahara etc.

The course is designed primarily for graduates who have prior knowledge of information systems and/or technologies, logistics and distribution, and who wish to specialise in enterprise resource planning, business intelligence and customer relationship management. An induction programme also caters for experienced individuals, such as project managers and those with a manufacturing background, who wish to update their skills, and professionals with industrial experience in other sectors seeking to enter the industry.

The Faculty is part of the SAP University Alliance (SUA). This has supported the development of a core of staff with expertise in enterprise resource planning, information systems, logistics and distribution, enterprise technologies, manufacturing and project management, and outstanding resources and facilities.

The study programme has a strong professional emphasis and students can work towards an industry recognised SAP qualification alongside their MSc degree. In addition to providing theoretical underpinning, practical applications are pervasive and supported by the Faculty's extensive computing resources.

In addition to further academic research opportunities, career prospects are expected to keep pace with the rapid advances in information systems, management methods and intelligent based technologies, hence, there is expected to be continuing demand for competent, versatile postgraduates who can design and implement innovative solutions for industry.

The aims of the programme are to:

1. Provide a stimulating and rewarding learning experience that will foster the research and independent study skills required at masters level;

2. Enable students to gain in-depth knowledge and understanding of enterprise resource planning principles and practice. and to plan, manage and implement intelligent, enterprise systems solutions;
3. Develop skills of analysis, synthesis, critical appraisal and the ability to plan and manage complex system problems;
4. Enable students to critically assess developments at the forefront of the discipline;
5. Promote an awareness of professional, legal and ethical considerations;
6. Enable students to research, manage data, communicate effectively and work as part of a team, to support career advancement.

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

Learning Outcomes

1. Knowledge and Understanding

On completion of the programme, students should be able to demonstrate:

1. Knowledge and understanding of concepts, theories and principles of management information systems (MIS) and, in particular, Enterprise Resource Planning systems;
2. A critical understanding of the key technologies used in design and implementation of effective enterprise systems;
3. Knowledge of emerging trends in manufacturing, logistics, project management and intelligent systems;
4. An awareness of social, cultural, environmental, ethical and regulatory aspects related to management of information systems.

2. Intellectual Skills

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

1. Analyse the requirements for business processes, technologies and standards for designing management information systems;
2. Synthesise theory and practice systematically and creatively to specify, design and implement effective solutions.
3. Evaluate information systems and make recommendations for their development;
4. Argue rationally and draw independent conclusions based on a rigorous, analytical and critical approach to the design and implementation of management information systems.

3. Practical Skills

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

1. Use laboratory equipment such as computers, hardware and software safely;
2. Apply software modelling tools and techniques for the design and evaluation of business processes and organisation domain problems
3. Design and develop enterprise systems using an ERP tool;
4. Apply software tools and analytical techniques to monitor and assess the operations management of an organisation.
5. Apply project management methods and techniques to implement and manage enterprise systems.

4. Transferable/Key Skills

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

1. Manage learning and self-development, including time management and prioritise work when tackling and solving complex problems;
2. Communicate effectively in writing, orally and in presentations to specialist and non-specialist audiences;
3. Make effective use of IT including word and data processing packages, internet and electronic information sources;
4. Systematically research a topic, synthesising and critically evaluating documents from a variety of web-based and traditional sources;
5. In cooperation with others, plan and implement tasks at a professional level and contribute to team goals through making sound judgements.

Learning, teaching and assessment methods

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. Advanced 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.

Learners extend research skills ability in the first semester modules, together with additional induction sessions, to develop the key skills of research, academic writing and time management required for study at masters level. These skills are further developed and placed into context in the second semester Project Workshop and by undertaking a major individual project.

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 are employed, assessment criteria being published in each assignment brief. Knowledge and skills are assessed, formatively and summatively, by a number of methods such as coursework, examinations (seen and unseen, open and closed-book), presentations, practical assignments, vivas, online forums, podcasts, and project work.

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

The course is divided into eight taught modules of 15 credits and a Masters project of 60 credits. Students complete 60 credits for Postgraduate Certificate, 120 credits for Postgraduate Diploma and 180 credits for MSc. Each credit represents 10 notional hours of student learning and assessment.

The MSc programme is normally studied over one year full-time or two years part-time (one year and one term full-time for January start). Students may, if they wish, move between full and part-time modes of attendance. The academic year is divided into semesters of approximately 14 weeks each, which run from September to January and January to May.

The structure of the course, the modules, levels and credit ratings and the awards that can be gained are shown below.

Semester C

60 credits
Master's Project (Dissertation)

Award MSc (180 credits)

Semester B

15 credits	15 credits	15 credits	15 credits
Business Intelligence Systems	Logistics and Distribution Systems	Project Management	Developing Financial Capabilities

Award PgD (120 credits)

Semester A

15 credits	15 credits	15 credits	15 credits
Enterprise Systems Management	Manufacturing Systems	Customer Relationship Management	Procurement & Operations Management

Award PgC (60 credits)

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, and extensive on-line resources, 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 (<http://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

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,
- Academic Standards and Quality Enhancement Committee,
- Student Experience 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.

Appendix A – Table of Common & Specialist Modules

Table of Common Modules		
MSc Enterprise Systems Management	MSc Logistics and Supply Chain Management	Project Management
Enterprise Systems Management 15 credits	Enterprise Systems Management 15 credits	
Procurement & Operation Management	Procurement & Operation Management	Procurement & Operation Management
Master's Project 60 Credits	Master's Project 60 Credits	Master's Project 60 Credits
Developing Financial Capabilities (c) 15 credits	Developing Financial Capabilities (c) 15 credits	Developing Financial Capabilities (c) 15 credits
Logistics & Distribution Systems 15 credits	Logistics & Distribution Systems 15 credits	

Table of Specialist Modules
MSc Enterprise Systems Management
Enterprise Systems Management 15 Credits
Manufacturing Systems 15 Credits
Customer Relationship Management 15 Credits
Procurement & Operation Management 15 Credits
Business Intelligence Systems 15 Credits
Logistics & Distribution Systems 15 Credits
Project Management 15 Credits
Developing Financial Capabilities 15 Credits