



Birmingham City University
Faculty of Technology, Engineering and the
Environment

Postgraduate Programme

Programme Specification

MSc Business Computing

Date of Course Approval/Review	Version Number	Version Date
26 Nov 2009	1.02	18 Dec 2009

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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	26 Nov 2009	Dean of Faculty
1.02	Approval meeting - conditions	26 Nov 2009	Panel Chair

Programme Specification

MSc Business Computing

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:	PGCert, PGDip, MSc
Programme Title:	MSc Business Computing
Main fields of Study:	Business and Computing
Modes of Study:	Full Time/Part Time
Language of Study:	English
UCAS Code:	N/A
JACS Code:	G500

Professional Status of the programme:

The Faculty will seek accreditation of the programme by the British Computer Society (BCS) as satisfying the academic requirements for CITP and CSci/CEng.

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

- The FHEQ Level Descriptor
- QAA Benchmark statement for Computing
- “Benchmarking Standards for Taught Masters Degrees in Computing”, Committee of Professors and Heads of Computing (CPHC) and the British Computer Society, 2008.

Programme philosophy and aims

The MSc Business Computing programme is designed to provide students with a broad insight into the three interconnected areas of Information Technology, Business, and Project Management. Students will develop a critical understanding of contemporary tools, techniques and models for systems development.

The programme will provide students with the opportunity to develop practical skills, using tools and techniques from the forefront of business computing, and use these effectively to model complex organisational systems. It also seeks to promote an awareness of the moral, ethical and professional framework, within which the students will operate as an IT professional in a business environment.

A key aspect of the programme philosophy is that the learning experience integrates use of major commercial software – SAS (data mining and business intelligence), SAP (strategic IT planning) – with investigation of the wider theoretical context. Students will also learn about the skills needed to become a successful entrepreneur in the IT sector.

The School of Computing, Telecommunications and Networks has a long history of delivering successful masters courses in the area of Business Computing and provides a stimulating and supportive learning environment. The School is located within the Faculty of Technology, Engineering and the Environment in the campus at Millennium Point in the heart of Birmingham. Millennium Point was built as a focus for science, technology and education within Birmingham and the wider region and provides an excellent context for exploring links between business and technology.

The career options for successful graduates from the programme include roles in Business Analysis, Consultancy, Project Management and Technical Authoring. Graduates from similar programmes from within the school have continued their studies and successfully gained a PhD.

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 an in-depth knowledge of tools and techniques for analysing and modelling complex organisations and systems;
3. Introduce project management techniques and allow students to provide the level of strategic IT planning appropriate for an organisation, using commercial methodologies where relevant;
4. Develop skills of analysis, synthesis, critical appraisal and the ability to solve complex problems;
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. A systematic knowledge and understanding of facts, concepts, theories and principles of business computing;
2. Tools, techniques and methods for IT project management and IT strategic planning;
3. Methods for extracting business intelligence from data repositories and processing the information for the intended audience;
4. A conceptual understanding of contemporary issues within the IT industry and their potential for impact upon an organisation, and society as a whole;
5. An understanding of entrepreneurship in information technology;
6. An awareness of the social, environmental, ethical and regulatory aspects that impinge on the development of computer systems.

2. Intellectual Skills

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

1. Understand the conflicting needs of end users and IT professionals within an organisation;
2. Critically appraise and apply a range of techniques and tools for applications in technology/software/business;
3. Critically evaluate approaches to aligning IT strategy with business strategy;
4. Compare and contrast the different approaches to modelling business systems, and select the most appropriate approach for a given scenario;
5. Critically evaluate the role of the entrepreneur in IT;
6. Argue rationally and draw independent conclusions based on a rigorous, analytical and critical approach to IT and business strategy.

3. Practical Skills

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

1. Gather requirements from all levels within an organisation;
2. Demonstrate self direction in applying a variety of tools and techniques to model complex organisational systems;
3. Manage an ICT project using the most appropriate tools and techniques;
4. Specify, design and document the most appropriate IT strategy for an organisation;
5. Work effectively as a member of a requirements gathering team, and undertake management and planning activities, recognising the different roles within a team.

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 used

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 module, Professional Skills and Research Methods, which develops 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, 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 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 course is divided into taught modules of 15 and 30 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 structure of the course, the module, levels and credit ratings and the awards that can be gained are shown below.

MSc Business Computing

Semester C

60 credits
Masters Project PG

Award MSc (180 credits)

Semester B

15 credits	15 credits	15 credits	15 credits
Technology Entrepreneurship PG	IT Project Management PG	Strategic IT Planning PG	Business Intelligence PG

Award PgDip (120 credits)

Semester A

15 credits	30 credits	15 credits
Professional Skills and Research Methods PG	Business Systems Modelling PG	Databases for Enterprise PG

Award PgCert (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, 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

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.