

## Programme Specification

**BSc (Hons) Information Technology and Business Information Systems (Top up)**



<b>1. Programme title</b>	<b>BSc (Hons) Information Technology and Business Information Systems (Top up)</b>
<b>2. Awarding institution</b>	Middlesex University
<b>3. Teaching institution</b>	Middlesex University
<b>4. Details of accreditation by professional/statutory/regulatory body</b>	
<b>5. Final qualification</b>	BSc Hons
<b>6. Year of validation</b> <b>Year of amendment</b>	
<b>7. Language of study</b>	English
<b>8. Mode of study</b>	Full time/ Part time

### **9. Criteria for admission to the programme**

### **10. Aims of the programme**

The programme is aimed at students who are interested in studying information technology but who also wish to acquire knowledge in the application of IT in business. The programme's aims are underpinned by the following principles; the importance of information in all modern organisations and the strategic value of information systems within a global business context; the pivotal role of information and communication technologies in information systems, and the key role of people in designing, managing and using these systems. The programme aims to provide students with an understanding of the advantages of aligning information systems with different organisational and business goals, and with various strategic and operational activities. Graduates of the programme will be equipped with the professional and employability skills that will enable them to pursue a successful future career in this field.

## 11. Programme outcomes

### A. Knowledge and understanding

On completion of this programme the successful student will have knowledge and understanding of:

How businesses work in a global environment; how business processes and functions are supported by information systems, and the roles and responsibilities of people within organisations

The impact of current and emerging information and communication technologies on the development and management of information systems.

The respective capabilities and uses of different information systems across a wide range of organisational and business contexts, and the criteria for evaluating the success of such systems.

The alignment of business strategies and information systems strategies; how information systems support decision-making, and their strategic importance for business intelligence.

The social, environmental, professional, legal and ethical issues related to the design, management and use of information systems.

### Teaching/learning methods

You will find a range of teaching and learning activities used in your programme. Different modules allow you to experience different assessment practices and learning approaches. Assessment consists of different types of coursework which are outlined below. Some modules include examinations, as outlined in the individual "Module Narratives". Modules are taught in various ways. Lectures provide an opportunity to attend structured talks covering the theoretical aspects of the module and discussing important concepts and principles underpinning key topics. There are also seminars where students participate in discussions, communicate with tutors, interact with other students, and get support on individual and group coursework. Finally, there are computer-based lab sessions where you will get a chance to practice what you have learnt in your lectures and seminars. During lab sessions, there are structured practical exercises and problem-solving tasks that can be followed. Your tutors are available in these lab sessions to provide guidance and help. Acquisition of programme learning outcomes occurs through a combination of the following:

- Lectures illustrating theories, concepts and principles through case studies, examples and scenarios
- Supervised practical, laboratory work and workshops
- Supervised seminars and tutorials
- Open-ended practical assignments
- Formative and summative assessment and feedback on assignments
- Seminar group discussions
- Online discussion forums

- Individual and group coursework assignments
- Student presentations
- . Critical thinking and problem-solving activities
- Practical application of concepts, principles and models to specific case studies and scenarios
- Directed reading and seminar discussions
- Essays
- Directed and independent research
- Individual and Group Project work
- Formative and summative assessment and feedback on assignments
- Workshop and seminars conducted by Library and Learning Support staff
- Off-campus visits and field trips

#### **Assessment methods**

There are various types of assessment used in the programme. Each module will provide a specific breakdown of its assessment load, and assessment deadline dates. The module handbooks also provide details of how you should structure your assessment work, as well as how you can submit your work. We try our best to avoid certain weeks being overloaded with assessment from different modules but there are certain periods that are busier than others.

You will be actively involved in a range of learning, teaching and assessment approaches on your programme. Such active approaches aim to put you at the centre of your learning so you are involved and engaged in all aspects of your assessment and learning. Your programme will require your active participation in learning activities and co-operation with your fellow students, both individually and collectively, working and

learning with others in small groups. Learning activities may also occur both within and outside the classroom. Your learning will also be supported by technology. Your tutors will be using various educational technologies to engage you in **e-learning** activities. Your programme will be facilitated using a variety of media and online tools (for example, myUniHub, podcasts, wikis and social networking services). These will allow you flexible access to a diverse range of online resources, quizzes and learning materials as well as collaborative tools with which you can engage and learn with your peers. Not confined by the time and space associated with traditional teaching methods, these tools enable you take part in online discussions and learning activities from wherever you are studying. Your tutors and UniHelp advisors will provide any additional support you may need whilst learning online. By engaging with e-learning you will also be developing skills which are essential for your learning and are also highly valued by employers. These include working flexibly, communication skills, IT skills and competencies, team working and creating shared understandings based on quality resources and access to global expertise. Assessment is an integral part of learning and you may hear it referred to as formative or summative.

**Formative assessment** is developmental in nature and designed to give you feedback on your performance and how it can be improved. As a result you will get detailed feedback on formative assessment but not a grade. Formative assessment is an important part of the learning process and has been shown to contribute to enhancement of learning and the raising of standards.

**Summative assessment** is designed to

measure the extent to which you have achieved the intended learning outcomes of a module and therefore the appropriate grade to be awarded. Summative assessment should assess achievement of all learning outcomes in a secure, fair and accurate manner. Summative assessment may include written examinations, online quizzes, essays, structured lab exercises, research reports, and oral presentations.

Assessment may also involve self, peer or group approaches. For example, you may be asked to assess your own work, indicating where you feel you have clearly demonstrated your understanding and also identifying areas where you can see room for improvement of your performance. Assessment may also be a peer process where students, individually or as groups, offer feedback on one another's work. Group assessment may also be part of your programme where part of the assessment requires you to demonstrate your ability to work as part of a group and receive a group mark. Assessment practices may include the following:

- Essays
- Examinations
- Individual, pair or group research reports
- Case study analyses
- Individual or group projects
- Individual or group portfolios
- Poster presentations
- Multiple choice online quizzes
- Individual or group presentations
- Oral examinations or vivas
- Coursework and project work
- Guided research
- Group assignments
- Individual and group presentations
- Reports
- Project milestones
- Practical laboratory tests
- Modelling of systems

	<ul style="list-style-type: none"> <li>• Group assignments</li> <li>• Documentation</li> <li>• Group Assignments</li> <li>• Documentation</li> <li>• Essays</li> <li>• Lab and seminar exercises</li> <li>• Peer assessment and review</li> <li>• Individual and group work during supervised seminars, tutorials and labs</li> <li>• Individual and group coursework assignments</li> <li>• Lab exercises</li> </ul> <p><b>IMPORTANT:</b> Please note that assessment deadlines do occasionally change and you should check your email and 'My Learning' on UniHub so you are aware of any changes.</p> <p>Please see the module narratives at the end of this handbook or more information on the assessment for each module.</p>
<p><b>B. Cognitive (thinking) skills</b></p> <p>On completion of this programme the successful student will be able to:</p> <p>Critically analyse the effects and advantages of strategically aligning business needs and information systems.</p> <p>Demonstrate analytical and critical thinking skills in solving business problems and approaching research problems.</p> <p>Use research skills and appropriate research methodologies successfully, and be able to synthesise and evaluate information from a variety of sources.</p> <p>Plan, manage and report on, complex projects related to the development of</p>	<p><b>Teaching/learning methods</b></p> <p><b>Assessment methods</b></p>

<p>business information systems.</p> <p>Apply theoretical concepts and principles to specific problems in a range of business contexts.</p>	
<p><b>C. Practical skills</b></p> <p>On completion of the programme the successful student will be able to:</p> <p><i>Apply a range of technical skills in information management and systems development in various business environments.</i></p> <p><i>.Use appropriate methods, techniques and tools for generating information systems in response to specific business problems, and according to specific needs and requirements</i></p> <p><i>Select, use and critically evaluate appropriate methods and techniques at each stage of the system development lifecycle.</i></p> <p><i>Critically assess the feasibility and risks of business information systems development in relation to different domains, organisational needs and project management practices.</i></p>	<p><b>Teaching/learning methods</b></p> <p><b>Assessment methods</b></p>
<p><b>D. Graduate skills</b></p> <p>On completion of this programme the successful student will be able to:</p> <p>Demonstrate professional development and employability skills necessary for the development and deployment of information systems in a business context.</p> <p>Communicate effectively in a range of settings, and to different stakeholders, through writing and oral presentations.</p> <p>Apply mathematical and numeracy skills appropriate to the development and deployment of business information systems.</p> <p>Demonstrate appropriate management and team-working skills, including decision-making, participating in projects, working in multi-disciplinary teams and responding to diverse stakeholder requirements.</p>	<p><b>Teaching/learning methods</b></p> <p><b>Assessment methods</b></p>

Adopt an ethos of independent learning and continuous professional development.	
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## 12. Programme structure (levels, modules, credits and progression requirements)

### 12.1 Overall structure of the programme

The programme can be studied in the following modes:

- 1 year full-time; 100% university based
- 2 years part-time

The programme is undertaken at Level 6, where a Level is equivalent to one year of full-time study. Each Level is composed of four modules each worth 30 credits, totalling 120 credits for each Level and thus giving a grand total of 360 credits for the entire programme. The programme will run twice a year, with intakes in October and January.

### 12.2 Levels and modules

Level		
COMPULSORY	OPTIONAL	PROGRESSION REQUIREMENTS

**BIS3999**

Information  
Systems  
Project

**BIS3300**

Strategic  
Management  
& Information  
Systems

**BIS3400**

Social,  
Professional &  
Ethical Issues  
in IS

***ITX3000***

*Human Factors in  
IT*

<p>Students must take all of the following:</p> <p>This is a “top-up” programme which only runs at level 6.</p> <p>Students must take all 4 of the following compulsory modules:</p> <ul style="list-style-type: none"> <li>➤ BIS3999 Information Systems Project</li> <li>➤ BIS3400 Social, Professional and Ethical Issues in Information Systems</li> <li>➤ BIS3300 Strategic Management and Information Systems</li> <li>➤ ITX3000 Human Factors in Information Technology</li> </ul>		
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12.3 Non-compensatable modules (note statement in 12.2 regarding FHEQ levels)	
Module level	Module code
	<ul style="list-style-type: none"> <li>➤ BIS3999 Information Systems Project</li> </ul>

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### 13. Curriculum map

See attached.

### 14. Information about assessment regulations

- information on the University's formal assessment regulations, including details of how award classifications are determined, can be found in the University Regulations available online through UniHub.
- Grades are awarded on the standard University scale of 1–20, with Grade 1 being the highest.

### 15. Placement opportunities, requirements and support (if applicable)

### 16. Future careers (if applicable)

All programmes in the Faculty of Science and Technology – their curricula and learning outcomes – have been designed with an emphasis on currency and relevance to future employment. Professional development and employability skills are embedded into teaching, learning and assessment in all modules of the programme.

- The majority of graduates are employed in IT posts relevant to the subject area.
- Over 20% of students pursue further postgraduate study or research.
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Employer links with the School are encouraged in the following ways:- by inviting practitioners from industry as guest speakers in lectures; through links with companies where students are employed as part of their Industrial placement; through links with alumni, both in the UK and overseas.

For more information about Careers and Employability, please see Part 2 of your Programme Handbook.

**17. Particular support for learning (if applicable)**

**18. JACS code (or other relevant coding system)**

**19. Relevant QAA subject benchmark group(s)**

**20. Reference points**

**21. Other information**

## Curriculum map for BSc (Hons) *Information Technology and Business Information Systems (Top-up)*

Module Title	Module Code	Programme Outcomes																			
		A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	D1	D2	D3	D4	D5	
Information Systems Project	BIS3999	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Strategic Management and Information Systems	BIS3300	✓	✓	✓			✓	✓				✓	✓	✓		✓	✓	✓		✓	✓
Social, Professional and Ethical Issues in Information Systems	BIS3400	✓		✓	✓	✓				✓	✓	✓		✓		✓	✓	✓			✓
Human Factors in Information Technology	ITX3000		✓		✓			✓		✓	✓	✓	✓	✓		✓	✓	✓			✓



