

<b>1. Qualification</b> HND / C	<b>2. Programme Title</b> Business Software Development	<b>3. UCAS Code</b> 006G	<b>4. Programme Type</b> Edexcel
<p><b>5. Main Purposes and Distinctive Features of the Programme</b></p> <p>To provide students with the knowledge and skills required to contribute to the analysis, design, testing and development of business computing systems.</p> <p>To develop the students' ability to adopt new methods and exploit information technology particularly for business utilisation.</p> <p>To give a broad based education in business software development and business applications with an emphasis on implementation.</p> <p>To develop and improve the students' interpersonal and communication skills particularly the investigative, formal presentation and group working skills that are required for the workplace.</p> <p>Distinctive Features Progression to graduate qualification in Business Software Development. HND available in part-time mode for students who can fit into HNC and degree provision.</p>			
<p><b>6. What a graduate should know and be able to do on completion of the programme</b></p>			
<p><u>Knowledge and understanding in the context of the subject(s)</u></p> <p>1 Understanding the stages of the systems</p> <p>2 Knowledge of programming languages which provide the facility to develop graphical user</p> <p>3 Awareness of current technologies for</p>		<p><u>Subject-specific practical/professional skills</u></p> <p>1 Competence in the correct structuring of data to be stored in a relational database</p> <p>2 Perform systems analysis of business problems and design of software for the commercial environment</p> <p>3 Implement software design to produce solutions that can run in a range of hardware architectures</p>	
<p><u>Cognitive skills in the context of the subject(s)</u></p> <p>1 Application of a structured methodology</p> <p>2 Design software compliant with HCI concepts</p> <p>3 Synthesis of business problem analysis and technical programming knowledge</p>		<p><u>Other skills (e.g. key/transferrable) developed in subject or other contexts</u></p> <p>1 Capacity to investigate problems</p> <p>2 Communicate effectively orally and in</p> <p>3 Able to work as part of a team Numerical and quantitative skills Make use of a range of information sources Select and utilise appropriate methods for presenting information Use a range of thought processes</p>	

<b>7. Qualities, Skills &amp; Capabilities Profile</b>			
<b>A Cognitive</b>	<b>B Practical</b>	<b>C Personal &amp; Social</b>	<b>D Other</b>
Understanding of Concepts and theory	Investigation of sources of information	Life-long learning	Environmentally aware
Analytical thinking	Communicating using a variety of media	Thoughtful approach	WWW interaction
Design solutions for business problems	Interviewing	Teamwork	
Flexibility of thought	Software development	Confidence building	
Critical evaluation	Solve problems	Self-motivation	
Conceptualisation		Organisation and time management	

<b>8a. Duration and Structure of Programme/Modes of Study/Credit Volume of Study Units</b>			
HND - 2 Years full-time organised on a 2 semesters per year basis and comprising 240 credits.			
Level Modules	2	<u>Core Modules</u> CST2503 Database Theory and Practice CST2511 Systems Analysis CST2501 Visual Programming 2	<u>(Options normally 20 credits each)</u> <u>Project (20 credits)</u> CST2511 individual project with self-managed integration, extension and practical application of knowledge (compulsory)
Level modules	1	LCT1019 Networking Basics LCT1023 Core Skills CST1010 Information Systems LCT1000 Internet 1 CST1205 Introduction to Programming CST1206 Programming and Design CST1202 Visual Programming 1 CST1203 Computerised Financial Systems	

**8b. Duration and Structure of Programme/Modes of Study/Credit Volume of Study Units**  
HNC - 2 Years part-time organised on a 2 semesters per year basis and comprising 160 credits.

Level Modules	2	<u>Core Modules</u> CST2503 Database Theory and Practice	<u>Options</u> normally 20 credits each) CST2511 Systems Analysis or CST2501 Visual Programming 2	<u>Project</u> (20 credits) Individual project with self-managed integration, extension and practical application of knowledge (compulsory)
Level Modules	1	CST1203 Computerised Financial Systems  LCT1019 Networking Basics  LCT1023 Core Skills I  CST1010 Information Systems  CST1202 Visual Programming 1		

**9. Learning, Teaching and Assessment Strategy**

Learning and Teaching Methods

A combination of lectures, supervised and unsupervised practical work, directed study, Case Studies, tutorials, seminars, group-working and a project

Assessment Methods

Assessments are linked to the learning outcomes for each module.

Types of assessment include:

Examinations

Coursework reports

Coursework to produce a program/ model a system

Project to produce and document a piece of software

Assessment Classification System

A Pass is awarded for the achievement of all outcomes against the specified criteria.

Achievement at Pass level will demonstrate:

**10. Other Information (*including compliance with relevant Institute policies*)**

Date programme first offered

September 2003

Admissions Criteria

Five GCSE passes (Grade C or better) including English, Mathematics and a Science subject and 60 UCAS tariff points including one A2 level pass.

Acceptable alternatives would be :-

Edexcel/ BTEC National Diploma/Certificate (pass), Irish Leaving Certificate,

International Baccalaureate,

Scottish Highers,

AGNVQ or completion of a suitable kitemarked access course.

*Non Standard Entry*

Relevant work/life experience and interview

<p>knowledge and comprehension of relevant practice, theories or techniques</p> <p>the ability to solve problems using given methods</p> <p>coherence in the quality of outcomes</p> <p>A Merit level will demonstrate: the application of appropriate knowledge, and understanding of relevant practices, theories or techniques</p> <p>the identification of problems and the use of appropriate methods to solve them</p> <p>clarity and coherence in the quality of outcomes</p> <p>A Distinction level will demonstrate the application of knowledge and understanding of a range of relevant practices, theories or techniques the identification of problems, their causes and the selection of appropriate methods to solve them clarity, coherence and originality in the quality of outcomes</p> <p><u>Honours Classification Bands</u> N/A</p>	<p>Other cases dealt with by admissions tutor on an individual basis</p> <p><u>Indicators of Quality and Standards</u></p> <p>Validated by panel with two external subject specialists</p> <p>External verifier</p> <p>Internal yearly quality monitoring cycle</p>
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## MAPPING OF LEARNING OUTCOMES TO MODULES

### HND/C Business Software Development

	K 1	K 2	K 3	S 1	S 2	S 3	C 1	C 2	C 3	O 1	O 2	O 3
<b>Level 1 Modules</b>												
LCT1023			X							X	X	
CST1203					X	X		X	X	X		X
CST1010	X		X	X								X
LCT1000			X					X		X	X	
LCT1019			X						X			X
CST1205	X	X			X	X	X		X	X		
CST1206	X	X			X	X		X	X			
CST1202		X		X		X		X	X			X
<b>Level 2 Modules</b>												
CST2503		X		X	X		X		X	X		X
CST2511	X			X	X		X		X	X	X	
CST2501		X		X		X		X	X	X		X
CST2515	X	X		X	X		X		X	X	X	X

Kn, Sn, Cn, On are Knowledge, Subject-specific, Cognitive and Other learning outcomes respectively. Refer to the Programme Specification for a definition of each learning outcome.

An X at a row/column intersection indicates that the specified module supports the specified learning outcome.

## Mapping of Assessment Methods to Modules HND/C Business Software Development

	CW %	EX %	ICA %	PRA %	PRE %	IS%
<b>LEVEL 1 MODULES</b>						
LCT1023	100					
CST1203	50+50					
CST1010	50+50					
LCT1000	70	30				
LCT1019	30	50		20		
CST1205			100			
CST1206			100			
CST1202	50		50			
<b>LEVEL 2 MODULES</b>						
CST2503	50	50				
CST2511	50	50				
CST2501	50+50					
CST2515	20				50	30

### Assessment Type Codes

**CW** Coursework  
**EX** Examination  
**ICA** In-class assessment  
**PRA** Practical  
**PRE** Presentation  
**IS** Independent Study