Unit Title:	Design and develop an information system
OCR unit number	410
Sector unit number	T/601/2563
Level:	4
Credit value:	7
Guided learning hours:	30

Unit purpose and aim

This unit is about designing and developing an information system that will meet identified needs in a business environment.

Learning Outcomes	Assessment Criteria	Exemplification
The Learner will: 1. Understand the purpose of information systems in a business environment	**The Learner can:** 1.1 Evaluate the types of information that need to be managed in a business environment 1.2 Analyse the types of information systems available and their main features	Learning outcomes 1 and 2 must be assessed using methods appropriate to the assessment of knowledge and understanding. A holistic approach to assessment should be adopted so that one piece of evidence covers more than one learning outcome and several assessment criteria and where appropriate, can be evidenced across units.
2. Understand how to design and develop an information system	2.1 Analyse the purpose and benefits of identifying and agreeing user needs for an information system 2.2 Explain the purpose and benefits of developing a system specification based on agreed needs 2.3 Analyse ways of developing a specification for an information system 2.4 Analyse ways of creating and developing an information system based on agreed needs 2.5 Explain the purpose and benefits of testing an information system during development	
3. Be able to design and develop an information system	3.1 Identify and analyse the information to be managed 3.2 Identify the resources	Assessment should be planned to maximise the opportunities for the candidate to demonstrate their ability to

	available	design and develop an information system
	3.3 Develop a system specification within agreed budget, as required	
	3.4 Develop an information system that meets the specification	
	3.5 Test the system	
	3.6 Identify, report and remedy faults	

Assessment

This unit is centre assessed and externally verified. Your assessor will use a range of assessment methods which may include:

- observation of performance in the work environment
- examination work products
- questioning the learner
- discussing with the learner
- use of others (witness testimony)
- looking at learner statements
- recognising prior learning

Evidence requirements

A range of evidence should be gathered to cover the Learning Outcomes and Assessment Criteria. Examples may include:

- Records of how the information to be managed was identified and analysed eg reports, spreadsheets
- Records of resources available e.g. database, web searches
- System specification
- Information system
- Records of system tests
- Report outlining faults and suggested remedies

National Occupational Standards (NOS) mapping/signposting

This unit is based on the NOS BAD112 Design and develop information systems

NOS can be viewed on the CfA's website at http://www.cfa.uk.com/ or the Occupational standards directory at www.ukstandards.co.uk.

Functional skills signposting

Link to functional skills standards http://www.qcda.gov.uk/15565.aspx

Functional Skills Standards					
English		**Mathematics**		**ICT**	
Speaking and Listening		Representing	✓	Use ICT systems	✓
Reading	✓	Analysing	✓	Find and select information	✓
Writing	✓	Interpreting	✓	Develop, present and communicate information	✓

Resources

Access to a working environment with associated equipment and resources

Additional information

For further information regarding administration for this qualification, please refer to the OCR document '*Admin Guide: Vocational Qualifications' (A850)* on the OCR website www.ocr.org.uk .