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Advanced Apprenticeship for IT Professionals

Sample Program Outline 2010 /11
(Software Developer)



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Level 3 Certificate in ICT Systems for Apprentices

For the Diploma element the candidate may be required attend college on a limited basis (e.g. one day, or three day intensive course), the assessment for certificate units can take the form of

- Unit assignment (completed in the workplace)
- Multiple-choice online test (completed at Yeovil College)
- Short answer written test (completed at Yeovil College)

A sample unit selection for a candidate working as an ICT technician could be:

Unit	Credits	Assessed Method
Required analysis and systems specifications	16	Unit assignment
Design and create advanced websites	16	Unit assignment

Please note that all of the units listed for both the Diploma and the Certificate can be modified to suit any candidate or employer.

Level 3 Diploma in ICT Professional Competence

For this element **you must achieve 72 points** / credits, **21** of which from the mandatory units and a further 51 points / credits from the rest of the available units.

Please note 60% (44) of your points / credits must be at Level 3

Units	Points / Credits		
	Level 1	Level 2	Level 3
Health & Safety in ICT (Must be taken at Level 1)	3		
Develop Own Effectiveness & Professionalism (Must be taken at Level 3)	3	6	9
Optional Group (Choose 60 Credits)			
Customer Care	6	9	12
Interpersonal and Written Communication	6	9	12
Data Analysis & Data Structure Design			9
Investigating and Defining Requirements		9	12
Managing Software Development			12
Quality Management of ICT Products & Services			12
Remote Support for Products or Services	6	9	12
Security of ICT Systems	3		12
Software Development - split into Software Development Languages		9	12
Software Installation & Upgrade	6	9	12
System Management		6	12
System Operation	6	9	12
Technical Advice & Guidance	6	9	12
Technical Fault Diagnosis	6	9	12
Technical Fault Remedy Selection	3	6	9
Testing ICT Systems	3	6	9
User Profile Administration		6	9
Working with ICT Hardware & Equipment	6	9	12
Restricted Units a maximum of 25 points / credits			
Artwork & Imaging Software	4	6	10
Database Software	4	6	10
Email	2	4	10
Internet & Intranets	2	4	6
Presentation Software	4	6	8
Spreadsheet Software	4	6	8
Word Processing Software	4	6	8

Please note that some vendor units are available in this qualification, and can be accredited through Accredited Prior Learning (APA), please contact for a list of units

Level 3 Certificate in ICT

Rules of combination are used to define the structure of qualifications. The rules of combination specify the credits which must be achieved through a particular combination of units to gain a full qualification. For the Level 3 Certificate in ICT Systems and Principles for Advanced Apprentices, candidates **must achieve a minimum of 24 credits** from the Level 2 and 3 units available. **60% (14) of the credits must be at Level 3.**

This section provides information about the full qualification which may be awarded to Candidates successfully completing the required combination of credits as shown in the table below:

Unit Number	Title	Value	Assessment Type
321	Testing ICT Systems	11	Set assignment
328	Maintain ICT Equipment and Systems 3	12	Set assignment
355	Designing & Creating Advanced Websites	16	Set assignment
356	Design & Maintain ICT Networks Software Components	11	Set assignment
357	Design and Plan for an External Overhead Network Cabling Infrastructure	10	Set assignment
358	Design and Plan for an External Overhead Network Cabling Infrastructure	11	Set assignment
359	Design and Plan for an External Underground Network Cabling Infrastructure	11	Set assignment
360	Develop Software Using SQL	9	Set assignment
361	Install, Configure and Integrate Networked Hardware & Software	9	Set assignment
362	Install, Configure & Upgrade ICT Software	7	Set assignment
363	Network Management and Security	14	Online Test
364	Plan for the Delivery of ICT Support Services and Assist in the Acquisition of ICT Systems	13	Set assignment
365	Principles of Planning Telecommunications Services	10	Set assignment
366	Requirements Analysis and Systems Specifications	16	Set assignment
367	ICT Repair Centre Procedure	8	Set assignment
368	ICT Systems and Network Management	18	Set assignment
369	Develop ICT Technical Documentation and Procedures	5	Set assignment

Level 3 Diploma in ICT Professional Competence

Advanced Apprenticeship for IT Professionals (Level 3)

How does the Apprenticeship work?

The Apprenticeship is made up of the following elements

Qualification Title	Competence	Knowledge	Transferable Skills
	Level 3 Diploma in ICT Competence (72 credits) <i>further details below</i>	Level 3 Certificate in ICT Systems and Principles for Apprentices (24 credits) <i>further details below</i>	Key Skills: Communication Level 2 Application of Number Level 2 ICT Level 2
		Employment Rights & Responsibilities (ERR)	

Level 3 Diploma in ICT Competence

For the diploma element each candidate must achieve a minimum of 72 credits in order to pass, a sample selection of units is below

This selection is a typical range for a candidate working as an ICT technician:

Unit	Credits	Level
Health & Safety (Mandatory)	3	1
Develop Your Own Effectiveness & Professionalism (Mandatory)	9	3
Customer Care	9	2
Managing Software Development	12	3
Create an Event driven Computer Program	12	3
Testing ICT Systems	12	3
Data Modelling	9	3
Quality Management of ICT Products or Services	12	3

The Optional Units are selected from a pool of available units; however this selection best suits the role of ICT technician.