



Apprenticeship IT Infrastructure

Overview

The Apprenticeship programme offers successful Apprentices the opportunity to further progress in their studies and go on to undertake a related degree programme. They could select from Batchelor's Degrees, Foundation Degrees, Higher Nationals or another higher level qualification. Apprentices may also elect to continue within their job role and pursue their learning by undertaking additional technical, business or managerial level training and qualifications.

The Diploma in IT Infrastructure Level 3 is a competence qualification which is first and foremost about what an individual can do. It goes beyond technical skills to include planning, problem solving, dealing with unexpected occurrences, working with other people and applying the knowledge and understanding that underpins overall competence.

For the IT sector this professional competence qualification is based entirely on the National Occupational Standards (NOS) developed by the Tech Partnership (previously operating as e-skills UK), which describe the competence needed in an occupational role.

Designed for Learners to:

This Qualification is to demonstrate a practiced set of skills whilst carrying out IT infrastructure operations:

- › IT Technical Support
- › Software Developer
- › Web Developer
- › Database Administrator
- › Network Planner

Mae'r Rhaglenni Prentisiaeth, Hyfforddeiaeth a Thwf Swyddi Cymru, a arweinir gan Lywodraeth Cymru, yn cael cymorth ariannol gan Gronfa Gymdeithasol Ewrop

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The Framework comprises of the following components:

- › Level 3 Diploma In IT Infrastructure
- › Level 2 ESW in Application of Number
- › Level 2 ESW in Communication
- › Level 2 ESW in Digital Literacy

To achieve a Level 3 Diploma IT infrastructure, learners must complete **a minimum of 93 credits:**

1. 37 credits from the Mandatory Units
2. A minimum of 40 credits from mandatory group of optional units
3. A Maximum of 18 credits from group A OPTIONAL UNITS
4. A Maximum of 18 credits from group B OPTIONAL UNITS

Mandatory Units

Minimum credits required: 37

Title	Level	Credit
Health and Safety in an IT Context	3	6
Principles of Information Governance and Assurance	3	15
Professional Practice in an IT Context	3	6
Working with IT Hardware and Equipment	3	10

Mandatory Optional Units

Minimum credits required: 40

Title	Level	Credit
Testing IT & Telecoms Systems	4	15
IT & Telecom System Security 2	3	8
IT System Operation 2	4	14

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Networking Principles	3	10
IT System Operation	3	12
IT System Management	3	12
IT Fault Diagnosis	3	10
Testing IT Systems	3	12
IT Technical Advice and Guidance	3	7
IT System Management	4	15
IT Fault Diagnosis	4	12
IT System Security	4	12
IT Technical Advice and Guidance	4	12

Optional Group A

Maximum credits required: 18

Title	Level	Credit
Investigating and Defining Customer Requirements for ICT Systems	4	15
Testing the Security of Information Systems	4	15
Principles of Information Security Testing	4	10
Manage an IT Application Project	3	8
Testing the Security of Information Systems	3	12
Principles of Information Security Testing	3	12
Remote Support for IT Products and Services	3	9
Investigating and Defining Customer Requirements for IT Systems	3	12
Remote Support for IT Products and Services	4	12

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Optional Group B

Maximum credits required:

Title	Level	Credit
Creating an Event Driven Computer Program	3	12
Creating an Object Oriented Computer Program	3	12
Creating a Procedural Computer Program	3	12
Principles of Secure System Development	3	6
Software Design	3	6
Improving Existing Software	3	6
Software Testing	3	17

Progress routes into and from this Pathway

Entry into this Apprenticeship programme may be:

- › directly from school or college with the relevant level of academic qualifications
- › directly from university with an IT or other degree
- › as a career transition from a general IT role or business role

Please contact us for more information:

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Visit our website www.alstraining.org.uk for a comprehensive list of our training services.

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