City & Guilds

600/6124/8   Level 4 Diploma for ICT Professionals - Systems and Principles

OVERVIEW

What does this qualification cover?

The Level 4 Diploma for ICT Professionals - Systems and Principles qualification provides a substantial range of knowledge and practice required to work in the ICT industry in autonomous or senior roles such as; support technician, network and cable installation designer, software developer, games developer or telecoms technician. It can be used for the Technical Certificate in the Higher Apprenticeship in IT, Software, Web and Telecoms.

Learners are required to complete four mandatory units;

- Project management
- Effective communication in business
- Systems development
- Personal and professional development

and can then select a range of units that meets their career development or that will underpin the Competency element of the Higher Apprenticeship in IT, Software, Web and Telecoms. Typical subjects covered include;

- Principles of ICT system and data security
- Principles of planning telecommunications services
- Requirements analysis and systems specifications
- Software design fundamentals
- Systems architecture
- Telecommunications principles
- Business skills for e-commerce
- Emerging Technologies
- Event Driven Programming Solutions
- Human Computer Interaction
- Management in Information Technology
- Mathematics for software development
- Network operating systems
- Networking Technologies
- Object Oriented Programming
- Procedural Programming
- Vendor qualifications such as Microsoft, Cisco and CompTIA

This is a Framework qualification.

Who could take this qualification?

The Level 4 Diploma for ICT Professionals - Systems and Principles allows learners to learn, develop and practise the higher level skills required for employment and/or career progression as ICT and Telecommunications professionals. The qualification will enable learners to gain generic and specific management and technical skills appropriate to their field or aspirations.

There are no formal entry requirements for learners undertaking this qualification. However, centres must ensure that learners have the potential and opportunity to successfully gain the qualification and it is suggested that the following qualifications (or similar) would provide suitable introduction to the subjects covered;

- 500/3476/5   Level 3 Certificate in ICT Systems and Principles
- 501/1585/6   Level 3 Diploma in ICT Systems Support
- 501/0277/1   Level 3 Diploma for ICT Systems and Principles for IT Professionals
- 501/1788/9   Level 3 Diploma in ICT Professional Competence
- 601/1487/3   Level 3 Diploma in Information Security

The qualification is suitable for a wide age range starting at 16.

What could this qualification lead to?

Will the qualification lead to employment?

This qualification provides the skills and knowledge for a learner to undertake a role within an ICT environment in areas such as;
- Systems or data analysts
- Systems or software development
- Network design or management
- ICT or telecommunications integration
- Information or systems management

Will the qualification support progression to further learning?

The Level 4 Diploma for ICT Professionals - Systems and Principles can lead to the following qualifications:
- ILM Level 4 or Level 5 Qualifications in Management
- City & Guilds Professional Recognition Awards
- Higher Apprenticeship in IT, Software, Web and Telecoms
- Higher Apprenticeship in Information Security

The qualification also gives opportunities for research, analysis and original thought, helping learners to develop these higher level skills which are useful for entry into Higher Education

Using this size of qualification

This qualification has been created to provide a substantial introduction into the ICT industry and allow the learner to select a set of units support a wide range of job roles dependent on the need of the employer, as well as the opportunity create an ICT Professional Generalist within an SME.

Who supports this qualification?

Employers

Cisco
Ian Foddering
020 8824 1000

Microsoft
Sarah Foxall
0844 800 2400

Trade Body

CompTIA
Graham Hunter
0207 330 6060

ForgeRock Kevin Streater
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IBM
Paul D Jagger
023 9256 1000

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