City & Guilds Diploma in ICT Systems and Principles for IT Professionals (QCF)

This City & Guilds certification is an international, vendor-neutral certification recognised by major hardware and software vendors, distributors and resellers that confirms a technician’s ability to perform tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking.

With the option of a CompTIA IT Fundamentals exam which certifies areas such as systems support, security, environment, communication & professionalism.

This qualification is designed to progress and excel learners who work or want to work in senior management, consultancy, integration or infrastructure design roles within the IT sector:

There are two employer recognised specialisation pathways in: Network or Server Support Technician. Vendor units are mapped to awarding body units.

Skills You Will Gain

- **Network Support Technician**
  - ICT Systems Support
  - Cisco CCNA
- **Server Support Technician**
  - ICT Systems Support
  - Microsoft MCSA 2012

Duration: 6 - 8 Months
Price: £3,345.00
Mode of Study: Part Time
Awarding Body: City & Guilds
### Awarding Body

| City & Guilds | Level 3 Diploma in ICT Systems and Principles |

### ICT Systems Support

<table>
<thead>
<tr>
<th>Exam Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>030</td>
<td>Customer Support Provision for ICT professional</td>
</tr>
<tr>
<td>229</td>
<td>Install and Configure ICT Equipment and Operating Systems</td>
</tr>
<tr>
<td>230</td>
<td>Install, Configure and Maintain Software</td>
</tr>
<tr>
<td>235</td>
<td>Install, Configure and Test ICT Networks</td>
</tr>
<tr>
<td>228</td>
<td>Maintain Equipment and Systems</td>
</tr>
<tr>
<td>828</td>
<td>Online exam - Maintain Equipment and Systems (part of 228 unit)</td>
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### Option 1

<table>
<thead>
<tr>
<th>Exam Code</th>
<th>Cisco CCNA Option</th>
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<tbody>
<tr>
<td>7540-645</td>
<td>CCNA Routing and Switching - Introduction to networks</td>
</tr>
<tr>
<td>7540-646</td>
<td>CCNA Routing and Switching - Routing and switching essentials</td>
</tr>
<tr>
<td>7540-647</td>
<td>CCNA Routing and Switching - Scaling networks</td>
</tr>
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<td>7540-648</td>
<td>CCNA Routing and Switching - Connecting Networks</td>
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### Option 2

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<th>Exam Code</th>
<th>Microsoft MCSA Option</th>
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<tr>
<td>7540-634</td>
<td>MS 410 Installing and Configuring Windows Server 2012</td>
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<tr>
<td>7540-631</td>
<td>MS 411 Administering Windows Server 2012</td>
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<tr>
<td>7540-632</td>
<td>MS 412 Configuring Advanced Windows Server 2012 Services</td>
</tr>
<tr>
<td>7540-321</td>
<td>Testing ICT Systems</td>
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City & Guilds Diploma in ICT Systems and Principles for IT Professionals (QCF)

This qualification is an excellent progression course from the Level 2 Diploma in Systems Support (PC Maintenance & Repair). In this specialist Level 3 course you will learn and apply advanced technical ICT concepts in a practical hands-on settings.

There are four distinct employer recognised specialisation pathways in Networking, Cloud / Storage, Security or Windows Infrastructure Support. Vendor units are mapped to awarding body units.

You will learn to work independently and be able to plan and implement complex ICT infrastructures. You will gain the Level 3 Diploma plus a range of vendor certifications on successful completion of this course. Learners will be able to progress onto the Level 4 Diploma for IT Professionals.

Additional Support:
- One to one support
- Practical hands-on lab facilities
- Flexible part-time classroom delivery (Day / Eve / Weekends)

Four distinct specialization pathway programme:

**Network Infrastructure Specialist**
- Cisco CCNA
- Microsoft MCSA 2012

**Server Infrastructure Specialist**
- Microsoft MCSA 2012
- Microsoft MCSE 2012

**Cloud & Storage Specialist**
- Microsoft MCSA 2012
- EMC: Information Storage Management

**Network Security Specialist**
- Cisco CCNA
- LPI Linux Essentials
Network Infrastructure Specialist

This programme is an excellent progression route from the Level 2 Diploma in Systems Support (PC Maintenance and Repair). This programme is designed to progress and excel learners who work, or want to work in 2nd / 3rd line support, systems support, infrastructure deployment, configuration and support roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 3 Diploma in ICT Systems and Principles. Within the Level 3 Diploma you will also study vendor specializations embedded into various units.

You will specialise in the fundamentals of Windows and Network Infrastructure deployment, configuration and support. This programme will ensure you have the practical skills and knowledge to deploy both a Windows Server 2012 and a Cisco based physical network infrastructure.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

Skills You Will Gain

- Customer Support Provision and Service Desk Operations
- ICT Systems Planning Network Management
- Deploy, Configure and Upgrade Advanced ICT Applications
- Cisco CCNA
- Microsoft MCSA: Windows Server 2012

Job Prospects

- Network Engineer
- Network Analyst
- Microsoft Server Engineer
- 2nd / 3rd Line Support

Prerequisite

- Level 2 Knowledge in Hardware/ Networking

Progression

- Cisco CCNP
- Juniper JNCIA-JUNOS
- Microsoft MCSE: Server Infrastructure 2012
- Further Education – Level 4

Duration: 6 - 11 Months
Price: £3,345.00
Mode of Study: Part Time
Awarding Body: City & Guilds
## Network Infrastructure Specialist Programme Overview

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Server Infrastructure Specialist

This programme is an excellent progression route from the Level 2 Diploma in Systems Support (PC Maintenance and Repair).

This programme is designed to progress and excel learners who work, or want to work in 2nd / 3rd line support, systems support, infrastructure deployment, configuration and support roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 3 Diploma in ICT Systems and Principles. Within the Level 3 Diploma you will also study vendor specializations embedded into various units.

You will specialise in Windows Server configuration and support. This programme will ensure you have the practical skills and knowledge to deploy Windows Server 2012.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

Skills You Will Gain

- Customer Support Provision and Service Desk Operations
- Deploy, configure and upgrade advanced ICT applications
- Microsoft MCSA: Windows Server 2012
- Microsoft MCSE: Windows Server Infrastructure Engineer 2012
- ICT Systems Planning and Network Management

Duration: 6 - 11 Months

Price: £3,345.00

Mode of Study: Part Time

Awarding Body: City & Guilds
## Server Infrastructure Specialist

### Programme Overview

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#### Exam Code | Plus Vendor Certifications

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<td>70-413</td>
<td>Microsoft MCSE 2012: Designing and Implementing a Server Infrastructure</td>
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<td>70-414</td>
<td>Microsoft MCSE 2012: Implementing an Advanced Server Infrastructure Engineer 2012</td>
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</table>
**Cloud and Storage Specialist**

This programme is an excellent progression route from the Level 2 Diploma in Systems Support (PC Maintenance and Repair).

This programme is designed to progress and excel learners who work, or want to work in 2nd / 3rd line support, systems support, infrastructure deployment, configuration and support roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 3 Diploma in ICT Systems and Principles. Within the Level 3 Diploma you will also study vendor specializations embedded into various units.

You will specialise in Windows Server and storage deployment, configuration and support. This programme will ensure you have the practical skills and knowledge to deploy Windows Server 2012. You will further specialise in the mechanics of Storage Area Network Deployment and Configuration.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

**Skills You Will Gain**

- Customer Support Provision and Service Desk Operations
- ICT Systems Planning and Network Management
- Deploy, configure and upgrade advanced ICT applications
- Microsoft MCSA: Windows Server 2012
- EMC – Information Storage Management Professional V2

**Job Prospects**

- Systems Administrator
- Windows Server Specialist
- 2nd / 3rd Line Support

**Prerequisite**

- Level 2 Knowledge in Hardware/ Networking

**Progression**

- Microsoft MCSE: Windows Server 2012
- Netapp / EMC / HP / DELL Storage Server Specialisation
- Further Education – Level 4

**Duration:** 6 - 11 Months

**Price:** £3,345.00

**Mode of Study:** Part Time

**Awarding Body:** City & Guilds
Cloud and Storage Specialist
Programme Overview

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Network Security Specialist

This programme is an excellent progression route from the Level 2 Diploma in Systems Support (PC Maintenance and Repair).

This programme is designed to progress and excel learners who work, or want to work in 2nd / 3rd line support, systems support, infrastructure deployment, configuration and support roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 3 Diploma in ICT Systems and Principles. Within the Level 3 Diploma you will also study vendor specializations embedded into various units.

You will specialise in configuring and maintaining Cisco equipment with the Cisco CCNA qualification. You will learn practical skills and knowledge in Cisco hardware products as well as understanding the basics of the Linux OS, script execution and open source applications.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

Skills You Will Gain

- Customer Support Provision and Service Desk Operations
- ICT Systems Planning and Network Management
- Deploy, configure and upgrade advanced ICT applications
- Cisco CCNA
- LPI Linux Essentials

Duration: 6 - 11 Months
Price: £3,345.00
Mode of Study: Part Time
Awarding Body: City & Guilds
Network Security Specialist
Programme Overview

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City & Guilds Diploma in ICT Systems and Principles for IT Professionals (QCF)

This qualification is designed to progress and excel learners who work or want to work in senior management, consultancy, integration or infrastructure design roles within the ICT and Telecommunications sector. There are four distinct employer recognised specialisation pathways in Networking, Cloud, Virtualisation, Security or Windows infrastructure Management. Vendor units are mapped to awarding body units.

IT professionals will gain specific management and technical skills appropriate for their career. The qualification gives opportunities for research, analysis and original thought, helping learners to develop higher level skills for entry into Higher Education.

You will gain the Level 4 Diploma plus a range of vendor certifications on successful completion of this course.

Guilds Level 4 Diploma in ICT Systems and Principles in the following study programmes:

1. **Network Solutions Specialist**
   - Cisco CCNA
   - Cisco CCNP
   - Juniper JNCIA-Junos
   - Prince 2 / ITIL

2. **Infrastructure Specialist**
   - Cisco CCNP
   - Microsoft MCSA 2012
   - Juniper JNCIA-Junos
   - Prince 2 / ITIL

3. **Cloud Specialist**
   - Cisco CCNP
   - Citrix XenApp
   - VMware VCP
   - Hyper-V: Private Cloud 2012

4. **Security Specialist**
   - Cisco CCNA
   - Cisco ASA Firewall
   - Prince 2 / ITIL
   - Checkpoint Firewall
Network Management and Network Solutions Specialist

This programme is designed to progress and excel learners who work, or want to work in senior management, consultancy, integration or infrastructure design roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 4 Diploma for IT Professionals (Systems and Principles). Within the Level 4 Diploma you will also study vendor specializations embedded into various units.

You will specialise in network management and network solutions architecture on the latest Cisco and Juniper networking devices available to businesses today.

This programme provides opportunities for research, analysis and original thought, helping learners to develop higher level skills for entry into Higher Education.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

Job Prospects
- Network Infrastructure Consultant
- Senior Network Engineer
- Network Design Specialist
- Technical Support Engineer

Prerequisite
- Systems administration experience on Computer Networks, Windows, Linux or;
- Level 3 Advanced Diploma or equivalent in ICT Systems Support

Progression
- Cisco CCIE – R&S
- Prince 2 / ITIL – Practitioner
- Higher Education
- Juniper JNCIA-ENT

Skills You Will Gain
- Project Management and consultancy skills
- Effective communication in business
- Systems design and development
- Personal and professional development
## Network Management and Network Solutions Specialist Programme Overview

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<td>JN0-101</td>
<td>Juniper JNCIA – Junos</td>
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<tr>
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<tbody>
<tr>
<td>P2 – F</td>
<td>Prince 2 Foundation</td>
</tr>
<tr>
<td>EX0-117</td>
<td>ITIL Foundation</td>
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</table>
Network Management and Infrastructure Specialist

This programme is designed to progress and excel learners who work, or want to work in senior management, consultancy, integration or infrastructure design roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 4 Diploma for IT Professionals (Systems and Principles). Within the Level 4 Diploma you will also study vendor specializations embedded into various units.

You will specialise in Windows and Network Infrastructure architecture and deployment.

This programme will ensure you have the practical skills and knowledge to deploy both a Windows Server 2012 and a Cisco/Juniper based physical network infrastructure.

The course requires you to undertake the Cisco CCNP, and CCNA level knowledge is a prerequisite. If you do not have the CCNA, or relevant work experience you will need to attend a CCNA class in addition.

This programme provides opportunities for research, analysis and original thought, helping learners to develop higher level skills for entry into Higher Education.

Job Prospects

• Senior Technical Support Engineer
• Virtualisation Consultant
• Private / Public Cloud Deployment Specialist
• VMware Infrastructure Administrator
• Citrix Application Virtualisation Administrator
• Microsoft Hyper-V Cloud Administrator

Skills You Will Gain

• Project Management and consultancy skills
• Effective communication in business
• Systems design and development
• Personal and professional development

Prerequisite

• Systems administration experience on Computer Networks, Windows, Linux or;
• Level 3 Advanced Diploma or equivalent in ICT Systems Support

Progression

• Microsoft MCSE: Server Infrastructure 2012
• Cisco CCIE – R&S
• Juniper JNCIA – ENT
• Prince 2 / ITIL – Practitioner
Network Management and Infrastructure Specialist
Programme Overview

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Network Management and Cloud Specialist

This programme is designed to progress and excel learners who work, or want to work in senior management, consultancy, integration or infrastructure design roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 4 Diploma for IT Professionals (Systems and Principles). Within the Level 4 Diploma you will also study vendor specializations embedded into various units.

You will specialise in Cloud Services Infrastructure and architecture on three major public and private cloud platforms available to businesses today – VMware (Server Virtualisation), Citrix (Application Virtualisation) and Hyper V (Server Virtualisation).

The course requires you to undertake the Cisco CCNP, and CCNA level knowledge is a prequisite. If you do not have the CCNA, or relevant work experience you will need to attend a CCNA class in addition.

This programme provides opportunities for research, analysis and original thought, helping learners to develop higher level skills for entry into Higher Education.

Skills You Will Gain

- Project Management and consultancy skills
- Effective communication in business
- Systems design and development
- Personal and professional development

Job Prospects

- Senior Technical Support Engineer
- Virtualisation Consultant
- Private / Public Cloud Deployment Specialist
- VMware Infrastructure Administrator
- Citrix Application Virtualisation Administrator
- Microsoft Hyper-V Cloud Administrator

Prerequisite

- Systems administration experience on Computer Networks, Windows, Linux or;
- Level 3 Advanced Diploma or equivalent in ICT Systems Support

Progression

- VMware VCAP-DCA
- VMware VCAP-DCD
- Citrix CCAA
- Microsoft MCSE
- Higher Education
Network Management and Cloud Specialist  
Programme Overview

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Network Management and Security Specialist

This programme is designed to progress and excel learners who work, or want to work in senior management, consultancy, integration or infrastructure design roles within the ICT and Telecommunications sector.

In this hands-on training programme, you will undertake a City & Guilds Level 4 Diploma for IT Professionals (Systems and Principles). Within the Level 4 Diploma, you will also study vendor specializations embedded into various units.

You will specialise in defending and protecting computer networks from internal and external attacks. You will learn practical skills and knowledge in two leading enterprise grade firewalls, alongside advanced networking skills.

The course requires you to undertake the Cisco CCNP, and CCNA level knowledge is a perquisite. If you do not have the CCNA, or relevant work experience you will need to attend a CCNA class in addition.

This programme provides opportunities for research, analysis and original thought, helping learners to develop higher level skills for entry into Higher Education.

Upon successful completion of the Diploma, you will be able to sit vendor examinations.

Skills You Will Gain

- Project Management and consultancy skills
- Systems design and development
- Effective communication in business
- Personal and professional development

Job Prospects

• Senior Technical Support Engineer
• Virtualisation Consultant
• Private / Public Cloud Deployment Specialist
• VMware Infrastructure Administrator
• Citrix Application Virtualisation Administrator
• Microsoft Hyper-V Cloud Administrator

Prerequisite

- Systems administration experience on Computer Networks, Windows, Linux or;
- Level 3 Advanced Diploma or equivalent in ICT Systems Support

Progression

- Checkpoint CCSE
- Cisco CCIE – R&S / Security
- EC-Council – Certified Ethical Hacker
- Prince 2 / ITIL – Practitioner
- Higher Education
Network Management and Security Specialist
Programme Overview

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<td>642-818</td>
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<td>156-215.75</td>
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