## Level 3-Cisco - IT Essentials

## BACK TO SCHOOLS ITQ [1]

- General guidance for interpreting OCF qualification levels [3]
- Link to assessor's guide to interpreting the criteria for this unit [4]
- Click on the links in the table below for specific guidance on the assessment criteria.
- National Strategies APP criteria [5].
- References to personal learning and thinking skills (PLTS) [6]


## Level 3, Unit 66 - Cisco - IT Essentials (6 credits)

## 1. Understand the functioning of a computer, including security and troubleshooting

1.1 I can understand the different hardware components of a computer system [7]
1.2 I can understand the different software and operating system components of a computer system [10]

## 2. Manage, maintain and update a working IT system

2.1 I can maintain and upgrade a computer system [8]
2.2 I can perform preventative maintenance and troubleshoot commonplace hardware, operating system and security issues on a computer system [11]

## 3. Research and analyse the ongoing system requirements to support an IT system

3.1 I can research and analyse current operating system demands [9]
3.2 I can evaluate the potential security requirements for a computer system [12]
1.3 I can describe the broad networking requirements of a computer system [13]
1.4 I can describe the security requirements of different computer systems [14]
1.5 I can describe the principles of fault finding. maintenance and troubleshooting [15]

## Links to ITQ units

| Entry Level | Level 1 | Level 2 | Level 3 |
| :---: | :---: | :---: | :---: |
| Entry Level 1. | Level 1, Unit R | Level 2, Unit R - | Level 3, Unit R - |
| Unit R - | Registration [18] | Registration [19] | Registration [20] |
| Registration [17] |  |  |  |
| Entry Level 1. | Level 1, Unit 1 - | Level 2, Unit 1 - | Level 3, Unit 1 - |
| Unit 1 - Improving | Improving | Improving | Improving |
| Productivity Using | Productivity Using | Productivity Using | Productivity Using |
| IT (1 credit) [21] | IT (3 credits) [22] | IT (4 credits) [23] | IT (5 credits) [24] |

Entry Level 1, Unit 2 - Using ICT to Select and Exchange Information (2 credits) [25]

| Entry Level 1, | Level 1, Unit 3 - | Level 2, Unit 3 - | Level 3, Unit 3 - |
| :---: | :---: | :---: | :---: |
| Unit 3 - Online | Using | Using | Using |
| Basics (2 credits) | Collaborative | Collaborative | Collaborative |
| [29] | Technologies (3 credits) [30] | Technologies (4 credits) [31] | Technologies (6 credits) [32] |
| Entry Level 1, | Level 1, Unit 4 | Level 2, Unit 4 - | Level 3, Unit 4 |
| Unit 4 - Desktop | IT Security for | IT Security for | $1 T$ Security for |
| Publishing | Users (1 credit) | Users (2 credits) | Users (3 credits) |
| Software (2 | [34] | [35] | [36] |

Website Software (3 credits) [26]

Level 2, Unit 2 Website Software (4 credits) [27]

Entry Level 1,
Unit 5 - Safe Working Practices (2 credits) [37]

Entry Level 1 . Unit 6 - Using ICT in the Workplace (2 credits) [41]

Entry Level 1. Unit 7 - Imaging software (2 credits) [45]

Level 1, Unit 5 -
Spreadsheet Software (3 credits) [38]

Level 1, Unit 6 -
Specialist Software (2 credits) [42]

Level 1, Unit 7 Word Processing (3 credits) [46]

Level 2, Unit 5 Spreadsheet Software (4 credits) [39]

Level 2, Unit 6 Specialist software (3 credits) [43]

Level 2, Unit 7 Word processing (4 credits) [47]

Level 3, Unit 2 Website Software (5 credits) [28]
tevol. 1 proving ing IT (5 credits) [24]

Entry Level 1. Unit 8 - Using ICT Equipment in a Work Place (2 credits) [49]

Entry Level 1, Unit 9 - Using Word Processing Software (2 credits) [53]

Entry Level 1, Unit 11 - Audio and Video
Software (2
credits) [57]
Entry Level 1,
Unit 12 -
Presentation
Software (2
credits) [61]
Entry Level 1,
Unit 13 -
Computer Games
Development (2
credits) [65]
Entry Level 1,
Unit 14 - Video
Communication (2
credits) [69]
Entry Level 1, Unit 29 -
Understand social
media (2 credits) [73]
$\begin{array}{lll}\begin{array}{ll}\text { Level 1, Unit } 8 \text { - }\end{array} & \begin{array}{l}\text { Level 2, Unit } 8 \text { - } \\ \text { Using the Internet }\end{array} & \begin{array}{l}\text { Level 3, Unit } 8 \text { - } \\ \text { Using the internet }\end{array} \\ \begin{array}{lll}\text { Using the Internet }\end{array} \\ \text { (3 credits) [50] } & \text { (4 credits) [51] } & \text { (5 credits) [52] }\end{array}$

Level 1, Unit 9 -
Level 2, Unit 9 Drawing and planning (3 credits) [55]

Level 3, Unit 9 Drawing and Planning Software (4 credits) [56] planning (2 credits) [54]

| Level 1, Unit 10 <br> Presentation | Level 2, Unit 10 - <br> Presentation |
| :--- | :--- |
| Software (3 | Software (4 |
| credits) [58] | Credits) [59] |

Level 1, Unit 11 Database Software (3 credits) [62]

Level 2, Unit 11 Database software (4 credits) [63]

Level 3, Unit 10 Presentation
Software (6
credits) [60]

Level 3, Unit 11 -
Database
Software (6
credits) [64]

Level 1, Unit 12 Desktop Publishing Software (3 credits) [66]

Level 1, Unit 13 Using Email (2 credits) [70]

Level 2, Unit 13 Using Email (3 credits) [71]

Level 3, Unit 12 -
Desktop
Publishing
Software (5
credits) [68]
Level 3, Unit 13 Using Email (3 credits) [72]

Level 1, Unit 14 Audio Software (2 credits) [74]

Level 2, Unit 14 Audio Software (3 credits) [75]

Level 3, Unit 14 Audio Software (4 credits) [76]

Entry Level 2,
Unit R -
Registration [77]
Entry Level 2. Unit 1 - Improving Productivity Using IT (2 credits) [81]

Entry Level 2, Unit 2 - Using ICT to Select and Exchange Information (2 credits) [85]

Level 1, Unit 15 Imaging Software (3 credits) [78]

Level 1, Unit 16 IT Communication Fundamentals (2 credits) [82]

Level 1, Unit 17 Video Software (2 credits) [86]

Level 2, Unit 15 Imaging Software (4 credits) [79]

Level 2, Unit 16 IT Communication Fundamentals (2 credits) [83]

Level 2, Unit 17 Video Software (3 credits) [87]

Level 3, Unit 15 Imaging Software (5 credits) [80]

Level 3. Unit 17 Video Software (4 credits) [84]

Level 3, Unit 23 Multimedia Software (6 credits) [88]

| Entry Level 2, |
| :--- |
| Unit 3-Online |
| Basics (2 credits) |
| [89] |

Entry Level 2. Unit 4 -Desktop Publishing Software (2 credits) [93]

Entry Level 2.
Unit 5 - Using ICT:
Safe Working
Practices (1
credit) [97]
Entry Level 2. Unit 6 - Using ICT in the Workplace (3 credits) [101]

Entry Level 2. Unit 7 - Imaging software (2 credits) [105]

Level 1, Unit 18 IT Software Fundamentals (3 credits) [90]

Level 1, Unit 19 IT User Fundamentals (3 credits) [94]

Level 1, Unit 20 Using Mobile IT Devices (2 credits) [98]

Level 2, Unit 18 IT Software Fundamentals (3 credits) [91]

Level 2. Unit 19 IT User
Fundamentals (3 credits) [95]

Level 3, Unit 24 Additive Manufacture (6 credits) [92]

Level 3. Unit 27 Design Software (5 credits) [96]

Level 2, Unit 20 Using Mobile IT Devices (2 credits) [99]

Level 3, Unit 28 Optimise IT System
Performance (5

Level 1, Unit 21 Data Management Software (2 credits) [102]

Level 1, Unit 22Understanding the social and environmental impact of architecture and construction (3 credits) [106]

Level 2, Unit 21 Data Management Software (3 credits) [103]

Level 2, Unit 22 -Understanding the social and environmental impact of architecture and construction (4 credits) [107]

Entry Level 2. Unit 8 - Using ICT Equipment in a Work Place (2 credits) [109]

Level 1, Unit 23 Multimedia Software (3 credits) [110]

Level 2, Unit 23 Multimedia Software (4 credits) [111]

Entry Level 2. Unit 9 - Using Word Processing Software (2 credits) [113]

Entry Level 2. Unit 10 - ICT for Employment (1 credit) [117]

Level 1, Unit 24 Additive Manufacture (3 credits) [114]

Level 2, Unit 24 Additive Manufacture (3 credits) [115]

Level 3, Unit 33 -
Application
Development
Using Project
Management
Methods (6
credits) [112]
Level 3, Unit 32 -
Computerised
Accounting
Software (5
credits) [108] credits) [100]

Level 3, Unit 29 Set Up an IT
System ( 5 credits) [104]

Level 3, Unit 37 Internet of Things ( 6 credits) [116]

Level 3, Unit 40 Cloud Based Services and Applications (5

Entry Level 2. Unit 11 - Audio and Video Software (2 credits) [121]

Level 1, Unit 25 Developing Computer Games and Puzzles (4 credits) [118]

Level 1, Unit 26 Computer Games Development (3 credits) [122]

Level 2, Unit 25 Developing Computer Games and Puzzles (4 credits) [119]

Level 2. Unit 26 Computer Games Development (4 credits) [123]
credits) [120]

Level 3. Unit 41 -
Cloud Based Systems and Security (5
credits) [124]

Entry Level 2, Unit 12 Presentation Software (2 credits) [125]

Entry Level 2, Unit 14 - Video Communication (2 credits) [129]

Entry Level 2, Unit 16 - Using Collaborative Technologies (2 credits) [133]

Entry Level 2,
Unit 26 -
Computer Games
Development (2
credits) [137]
Entry Level 2,
Unit 29 -
Understand social media (2 credits) [141]

Level 1, Unit 31 Internet Safety for IT users (3 credits) [142]

Entry Level 2,
Unit 32 - Website Software (2 credits) [145]

Level 1, Unit 28 Optimise IT System Performance (2 credits) [130]

Level 1, Unit 29 Set Up an IT System (3 credits) [134]

Level 1, Unit 30 CAD (3 credits) [138]

Level 1, Unit 27 Design Software (3 credits) [126]

Level 2, Unit 27 Design Software (4 credits) [127]

Level 2, Unit 28 Optimise IT System Performance (4 credits) [131]

Level 2, Unit 29 Set Up an IT System (4 credits) [135]

Level 3, Unit 42 Undertaking a RealWorld Project (5 credits) [128]

Level 3, Unit 57 Networking Fundamentals (5 credits) [136]
Level 3, Unit 44 Bespoke Software (4 credits) [132]

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Level 3, Unit 60 Cisco CCNA 1 Introduction to Networks (6 credits) [140]

Level 2, Unit 32 - Level 3, Unit 61 Computerised Cisco CCNA 2 Accounting Routing and Software (3 Switching (6 credits) [143] credits) [144]

Level 1, Unit 32 Computerised Accounting Software (2 credits) [146]

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Level 1, Unit 36 -
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Modelling (3
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Level 1, Unit 50 -
Developing skills
for remote
working ( 3 credits)
[154]
Level 2, Unit 33 -
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Cisco CCNA 3 Scaling Networks (6 credits) [148] Management Methods (4 credits) [147]

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Productivity Using IT (3 credits) [157]

Level 1, Unit 51 Effectiveness communication using remote systems (4 credits) [158]

Entry Level 3. Unit 2 - Online Basics (1 credit) [161]

Level 1, Unit 102

- Digital Editing and Publishing (4 credits) [162]

Level 2, Unit 50 Developing skills for remote working (3 credits) [163]

Entry Level 3, Unit 3 - Desktop Publishing Software (2 credits) [165]

Entry Level 3.
Unit 4 - Displaying Information Using ICT (3 credits) [169]

Level 1, Unit 103

- Digital Modelling
(4 credits) [166]

Level 1, Unit 105

- Digital Design and Graphics (4 credits) [170]

Level 2, Unit 51 Effectiveness communication using remote systems (4 credits) [167]

DELLevel 2, Unit 70-
Understanding of Cyber Security and Online Threats (3 credits) [171]

Entry Level 3,
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Information (3
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Entry Level 3.
Unit 6 -
Communicating
Information Using
ICT (3 credits)
[174]

Entry Level 3,
Unit 7 - Producing
Charts Using ICT
(3 credits) [176]

Entry Level 3.
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DELLevel 2, Unit
73-Extended Project: Securing and Defending Online Systems (6 credits) [177]

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Cisco -
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Essentials (6
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## Software (2

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Entry Level 3. Unit 15 -Imaging
Software (2
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Entry Level 3,
Unit 16 - Using
Collaborative
Technologies (3
credits) [186]
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Unit 20 -
Introduction to Using mobile IT devices ( 2 credits) [188]

Entry Level 3.
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Multimedia
Software (2
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Entry Level 3.
Unit 25 -
Developing
Computer Games
and Puzzles ( 3
credits) [191]
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credits) [192]
Entry Level 3,
Unit 28 - Personal information management software (1 credit) [193]

Entry Level 3 . Unit 32 - Website Software (2 credits) [194]

Entry Level 3. Unit 36 - Specialist
Software (2
credits) [149]

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[5] http://nationalstrategies.standards.dcsf.gov.uk/focuses/959/861/110166
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