Level 3 - Cisco CCNA 1 - Introduction to Networks

BACK TO SCHOOLS ITQ **[1]**

Handbook home page **[2]**

- General guidance for interpreting QCF 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]
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Level 3, Unit 60 - Cisco CCNA 1 – Introduction to Networks (6 credits)

1. Understand and explain networks and security practices	2. Plan and execute a functioning and secure network	3. Research and analyse the effectiveness of networking technologies
1.1 I can understand common networking technologies. [7]	2.1 I can design and build a commonplace networked infrastructure to meet a commercial requirement. [8]	3.1 I can research and analyse current networking technologies and their performance benefits. [9]
1.2 I can explain the range of different hardware and software systems used within a network infrastructure. [10]	2.2 I can configure a range of hardware and software effectively. [11]	3.2 I can analyse different equipment and software in terms of performance and suitability. [12]
1.3 I can identify common protocols and their purpose. [13]		
1.4 I can explain the security requirements within a networked system. [14]		
1.5 I can describe the requirement to remain		

informed of changing networking technologies. [15]

1.6 I can solve addressing requirements for IPv4 and IPv6 based systems. [16]

Links to ITQ units

Entry Level	Level 1	Level 2	Level 3
Entry Level 1, Unit R - Registration [18]	Level 1, Unit R - Registration [19]	Level 2, Unit R - Registration [20]	Level 3, Unit R - Registration [21]
Entry Level 1, Unit 1 - Improving Productivity Using IT (1 credit) [22]	Level 1, Unit 1 - Improving Productivity Using IT (3 credits) [23]	Level 2, Unit 1 - Improving Productivity Using IT (4 credits) [24]	Level 3, Unit 1 - Improving Productivity Using IT (5 credits) [25]
Entry Level 1, Unit 2 - Using ICT to Select and Exchange Information (2 credits) [26]	Level 1, Unit 2 - Website Software (3 credits) [27]	Level 2, Unit 2 - Website Software (4 credits) [28]	Level 3, Unit 2 - Website Software (5 credits) [29]
Entry Level 1, Unit 3 - Online Basics (2 credits) [30]	Level 1, Unit 3 - Using Collaborative Technologies (3 credits) [31]	Level 2, Unit 3 - Using Collaborative Technologies (4 credits) [32]	Level 3, Unit 3 - Using Collaborative Technologies (6 credits) [33]
Entry Level 1, Unit 4 - Desktop Publishing Software (2 credits) [34]	Level 1, Unit 4 - IT Security for Users (1 credit) [35]	Level 2, Unit 4 - IT Security for Users (2 credits) [36]	Level 3, Unit 4 - IT Security for Users (3 credits) [37]
Entry Level 1, Unit 5 - Safe Working Practices (2 credits) [38]	Level 1, Unit 5 - Spreadsheet Software (3 credits) [39]	Level 2, Unit 5 - Spreadsheet Software (4 credits) [40]	Level 3, Unit 5 - Spreadsheet Software (6 credits) [41]
Entry Level 1, Unit 6 - Using ICT in the Workplace (2 credits) [42]	Level 1, Unit 6 - Specialist Software (2 credits) [43]	Level 2, Unit 6 - Specialist software (3 credits) [44]	Level 3, Unit 6 - Specialist Software (4 credits) [45]
Entry Level 1,	Level 1, Unit 7 -	Level 2, Unit 7 -	Level 3, Unit 7 -

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[Unit 7 - Imaging software (2 credits)](#) [46]	[Word Processing (3 credits)](#) [47]	[Word processing (4 credits)](#) [48]	[Word Processing Software (6 credits)](#) [49]
[Entry Level 1, Unit 8 - Using ICT Equipment in a Work Place (2 credits)](#) [50]	[Level 1, Unit 8 - Using the Internet (3 credits)](#) [51]	[Level 2, Unit 8 - Using the internet (4 credits)](#) [52]	[Level 3, Unit 8 - Using the Internet (5 credits)](#) [53]
[Entry Level 1, Unit 9 - Using Word Processing Software (2 credits)](#) [54]	[Level 1, Unit 9 - Drawing and planning (2 credits)](#) [55]	[Level 2, Unit 9 - Drawing and planning (3 credits)](#) [56]	[Level 3, Unit 9 - Drawing and Planning Software (4 credits)](#) [57]
[Entry Level 1, Unit 11 - Audio and Video Software (2 credits)](#) [58]	[Level 1, Unit 10 - Presentation Software (3 credits)](#) [59]	[Level 2, Unit 10 - Presentation software (4 credits)](#) [60]	[Level 3, Unit 10 - Presentation Software (6 credits)](#) [61]
[Entry Level 1, Unit 12 - Presentation Software (2 credits)](#) [62]	[Level 1, Unit 11 - Database Software (3 credits)](#) [63]	[Level 2, Unit 11 - Database software (4 credits)](#) [64]	[Level 3, Unit 11 - Database Software (6 credits)](#) [65]
[Entry Level 1, Unit 13 - Computer Games Development (2 credits)](#) [66]	[Level 1, Unit 12 - Desktop Publishing Software (3 credits)](#) [67]	[Level 2, Unit 12 - Desktop Publishing Software (4 credits)](#) [68]	[Level 3, Unit 12 - Desktop Publishing Software (5 credits)](#) [69]
[Entry Level 1, Unit 14 - Video Communication (2 credits)](#) [70]	[Level 1, Unit 13 - Using Email (2 credits)](#) [71]	[Level 2, Unit 13 - Using Email (3 credits)](#) [72]	[Level 3, Unit 13 - Using Email (3 credits)](#) [73]
[Entry Level 1, Unit 29 - Understand social media (2 credits)](#) [74]	[Level 1, Unit 14 - Audio Software (2 credits)](#) [75]	[Level 2, Unit 14 - Audio Software (3 credits)](#) [76]	[Level 3, Unit 14 - Audio Software (4 credits)](#) [77]
[Entry Level 2, Unit R - Registration](#) [78]	[Level 1, Unit 15 - Imaging Software (3 credits)](#) [79]	[Level 2, Unit 15 - Imaging Software (4 credits)](#) [80]	[Level 3, Unit 15 - Imaging Software (5 credits)](#) [81]
[Entry Level 2, Unit 1 - Improving Productivity Using IT (2 credits)](#) [82]	[Level 1, Unit 16 - IT Communication Fundamentals (2 credits)](#) [83]	[Level 2, Unit 16 - IT Communication Fundamentals (2 credits)](#) [84]	[Level 3, Unit 17 - Video Software (4 credits)](#) [85]
[Entry Level 2, Unit 2 - Using ICT to Select and](#)	[Level 1, Unit 17 - Video Software (2 credits)](#) [87]	[Level 2, Unit 17 - Video Software (3 credits)](#) [88]	[Level 3, Unit 23 - Multimedia Software (6](#)

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IT (3 credits) [158]

credits) [160]

Essentials (6 credits) [161]

Entry Level 3, Unit 2 - Online Basics (1 credit) [162]

Level 1, Unit 43 - E-safety for learners (2 credits) [163]

Level 2, Unit 39 - Digital Art (4 credits) [164]

Level 3, Unit 66 - Cisco – IT Essentials (6 credits) [165]

Entry Level 3, Unit 3 - Desktop Publishing Software (2 credits) [166]

Level 1, Unit 50 - Developing skills for remote working (3 credits) [167]

Level 2, Unit 43 - E-safety for learners (3 credits) [168]

Level 3, Unit 67 - Cisco – Networking Essentials (6 credits) [169]

Entry Level 3, Unit 4 - Displaying Information Using ICT (3 credits) [170]

Level 1, Unit 51 - Effectiveness communication using remote systems (4 credits) [171]

Level 2, Unit 50 - Developing skills for remote working (3 credits) [172]

Entry Level 3, Unit 5 - Using ICT to Find Information (3 credits) [173]

Level 1, Unit 102 - Digital Editing and Publishing (4 credits) [174]

Level 2, Unit 51 - Effectiveness communication using remote systems (4 credits) [175]

Entry Level 3, Unit 6 - Communicating Information Using ICT (3 credits) [176]

Level 1, Unit 103 - Digital Modelling (4 credits) [177]

DELLevel 2, Unit 70 - Understanding of Cyber Security and Online Threats (3 credits) [178]

Entry Level 3, Unit 7 - Producing Charts Using ICT (3 credits) [179]

Level 1, Unit 105 - Digital Design and Graphics (4 credits) [180]

DELLevel 2, Unit 71 - Analysing and Evaluating Cyber Threats (3 credits) [181]

Entry Level 3, Unit 8 - IT Security for users (1 credit) [182]

DELLevel 2, Unit 72 - Applying and Deploying Security Tools and Best Practice (3 credits) [183]

Entry Level 3, Unit 10 - Presentation software (2 credits) [184]

DELLevel 2, Unit 73 - Extended Project: Securing and Defending Online Systems (6 credits) [185]

Entry Level 3,

Level 2, Unit 80 -

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Unit 14 - Audio and Video Software (2 credits) [186]

Digital Tools and Best Practice for Project Management (5 credits) [187]

Entry Level 3, Unit 15 - Imaging Software (2 credits) [188]

Level 2, Unit 81 - Digital Safety and Security Policies and Procedures (4 credits) [189]

Entry Level 3, Unit 16 - Using Collaborative Technologies (3 credits) [190]

Level 2, Unit 82 - Digital Editing and Publishing (3 credits) [191]

Entry Level 3, Unit 20 - Introduction to Using mobile IT devices (2 credits) [192]

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Entry Level 3, Unit 25 - Developing Computer Games and Puzzles (3 credits) [196]

Level 2, Unit 85 - Virtual Reality and the Development Life Cycle (4 credits) [197]

Entry Level 3, Unit 26 - Computer Games Development (3 credits) [198]

Entry Level 3, Unit 28 - Personal information management software (1 credit) [199]

Entry Level 3, Unit 32 - Website Software (2 credits) [200]

Entry Level 3,

[Unit 36 - Specialist Software (2 credits)](#) [150]

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