
Level 3 - Cisco CCNA 1 - Introduction to Networks

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Level 3, Unit 60 - Cisco CCNA 1 - Introduction to Networks (6 credits)

1. Understand and explain networks and security practices

[1.1 I can understand common networking technologies.](#) [7]

[1.2 I can explain the range of different hardware and software systems used within a network infrastructure.](#) [10]

[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](#)

2. Plan and execute a functioning and secure network

[2.1 I can design and build a commonplace networked infrastructure to meet a commercial requirement.](#) [8]

[2.2 I can configure a range of hardware and software effectively.](#) [11]

3. Research and analyse the effectiveness of networking technologies

[3.1 I can research and analyse current networking technologies and their performance benefits.](#) [9]

[3.2 I can analyse different equipment and software in terms of performance and suitability.](#) [12]

[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 1 - Improving Productivity Using IT (1 credit) [18]	Level 1, Unit 1 - Improving Productivity Using IT (3 credits) [19]	Level 2, Unit 1 - Improving Productivity Using IT (4 credits) [20]	Level 3, Unit 1 - Improving Productivity Using IT (5 credits) [21]
Entry Level 2, Unit 1 - Improving Productivity Using IT (2 credits) [22]	Level 1, Unit 2 - Website Software (3 credits) [23]	Level 2, Unit 2 - Website Software (4 credits) [24]	Level 3, Unit 2 - Website Software (5 credits) [25]
Entry Level 2, Unit 2 - Using ICT to Select and Exchange Information (2 credits) [26]	Level 1, Unit 3 - Using Collaborative Technologies (3 credits) [27]	Level 2, Unit 3 - Using Collaborative Technologies (4 credits) [28]	Level 3, Unit 3 - Using Collaborative Technologies (6 credits) [29]
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Entry Level 2, Unit 4 - Desktop Publishing Software (2 credits) [34]	Level 1, Unit 5 - Spreadsheet Software (3 credits) [35]	Level 2, Unit 5 - Spreadsheet Software (4 credits) [36]	Level 3, Unit 5 - Spreadsheet Software (6 credits) [37]
Entry Level 2, Unit 5 - Using ICT: Safe Working Practices (1 credit) [38]	Level 1, Unit 6 - Specialist Software (2 credits) [39]	Level 2, Unit 6 - Specialist software (3 credits) [40]	Level 3, Unit 6 - Specialist Software (4 credits) [41]
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Entry Level 2, Unit 7 - Imaging software (2 credits) [46]	Level 1, Unit 8 - Using the Internet (3 credits) [47]	Level 2, Unit 8 - Using the internet (4 credits) [48]	Level 3, Unit 8 - Using the Internet (5 credits) [49]
Entry Level 2, Unit 8 - Using ICT Equipment in a Work Place (2 credits) [50]	Level 1, Unit 9 - Drawing and planning (2 credits) [51]	Level 2, Unit 9 - Drawing and planning (3 credits) [52]	Level 3, Unit 9 - Drawing and Planning Software (4 credits) [53]
Entry Level 2, Unit 9 - Using Word Processing Software (2 credits) [54]	Level 1, Unit 10 - Presentation Software (3 credits) [55]	Level 2, Unit 10 - Presentation software (4 credits) [56]	Level 3, Unit 10 - Presentation Software (6 credits) [57]
Entry Level 2, Unit 10 - ICT for Employment (1 credit) [58]	Level 1, Unit 11 - Database Software (3 credits) [59]	Level 2, Unit 11 - Database software (4 credits) [60]	Level 3, Unit 11 - Database Software (6 credits) [61]
Entry Level 2, Unit 11 - Audio and Video Software (2 credits) [62]	Level 1, Unit 12 - Desktop Publishing Software (3 credits) [63]	Level 2, Unit 12 - Desktop Publishing Software (4 credits) [64]	Level 3, Unit 12 - Desktop Publishing Software (5 credits) [65]
Entry Level 2, Unit 12 - Presentation Software (2 credits) [66]	Level 1, Unit 13 - Using Email (2 credits) [67]	Level 2, Unit 13 - Using Email (3 credits) [68]	Level 3, Unit 13 - Using Email (3 credits) [69]
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Entry Level 3, Unit 4 - Displaying Information Using ICT (3 credits) [82]	Level 1, Unit 17 - Video Software (2 credits) [83]	Level 2, Unit 17 - Video Software (3 credits) [84]	Level 3, Unit 23 - Multimedia Software (6 credits) [85]
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Entry Level 3, Unit 10 - Presentation software (2 credits) [102]	Level 1, Unit 22 - Understanding the social and environmental impact of architecture and construction (3 credits) [103]	Level 2, Unit 22 - Understanding the social and environmental impact of architecture and construction (4 credits) [104]	Level 3, Unit 32 - Computerised Accounting Software (5 credits) [105]
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