

CompTIA®

The Official CompTIA

A+

Core 1

Course Content

Exam 220-1101



Official CompTIA Content Series for CompTIA Performance Certifications

Acknowledgments



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Table of Contents

Lesson 1: Installing Motherboards and Connectors	1
Topic 1A: Explain Cable Types and Connectors	2
Topic 1B: Install and Configure Motherboards.....	17
Topic 1C: Explain Legacy Cable Types	34
 Lesson 2: Installing System Devices	 43
Topic 2A: Install and Configure Power Supplies and Cooling.....	44
Topic 2B: Select and Install Storage Devices.....	52
Topic 2C: Install and Configure System Memory.....	65
Topic 2D: Install and Configure CPUs.....	72
 Lesson 3: Troubleshooting PC Hardware	 81
Topic 3A: Apply Troubleshooting Methodology.....	82
Topic 3B: Configure BIOS/UEFI.....	90
Topic 3C: Troubleshoot Power and Disk Issues	98
Topic 3D: Troubleshoot System and Display Issues.....	110
 Lesson 4: Comparing Local Networking Hardware.....	 119
Topic 4A: Compare Network Types.....	120
Topic 4B: Compare Networking Hardware	125
Topic 4C: Explain Network Cable Types.....	133
Topic 4D: Compare Wireless Networking Types.....	145
 Lesson 5: Configuring Network Addressing and Internet Connections	 159
Topic 5A: Compare Internet Connection Types.....	160
Topic 5B: Use Basic TCP/IP Concepts	170
Topic 5C: Compare Protocols and Ports	183
Topic 5D: Compare Network Configuration Concepts.....	189

Lesson 6: Supporting Network Services..... 199

 Topic 6A: Summarize Services Provided by Networked Hosts 200

 Topic 6B: Compare Internet and Embedded Appliances 212

 Topic 6C: Troubleshoot Networks..... 218

Lesson 7: Summarizing Virtualization and Cloud Concepts 227

 Topic 7A: Summarize Client-Side Virtualization..... 228

 Topic 7B: Summarize Cloud Concepts 235

Lesson 8: Supporting Mobile Devices 243

 Topic 8A: Set Up Mobile Devices and Peripherals 244

 Topic 8B: Configure Mobile Device Apps 261

 Topic 8C: Install and Configure Laptop Hardware 274

 Topic 8D: Troubleshoot Mobile Device Issues 283

Lesson 9: Supporting Print Devices..... 293

 Topic 9A: Deploy Printer and Multifunction Devices..... 294

 Topic 9B: Replace Print Device Consumables..... 309

 Topic 9C: Troubleshoot Print Device Issues..... 325

**Appendix A: Mapping Course Content to CompTIA® A+® Core 1
(Exam 220-1101).....A-1**

Solutions S-1

Glossary.....G-1

Index.....I-1

About This Course

CompTIA is a not-for-profit trade association with the purpose of advancing the interests of information technology (IT) professionals and IT channel organizations; its industry-leading IT certifications are an important part of that mission. CompTIA's A+ certification is a foundation-level certification designed for professionals with 12 months hands-on experience in a help desk support technician, desk support technician, or field service technician job role.

CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world. It is trusted by employers around the world to identify the go-to person in end-point management and technical support roles. CompTIA A+ is regularly re-invented by IT experts to ensure that it validates core skills and abilities demanded in the workplace.

Course Description

Course Objectives

This course can benefit you in two ways. If you intend to pass the CompTIA A+ Core 1 (Exam 220-1101) certification examination, this course can be a significant part of your preparation. But certification is not the only key to professional success in the field of IT support. Today's job market demands individuals with demonstrable skills, and the information and activities in this course can help you build your skill set so that you can confidently perform your duties in any entry-level PC support role.

On course completion, you will be able to do the following:

- Install, configure, and troubleshoot PC motherboards, system components, and peripheral devices.
- Compare networking hardware types and configure local addressing and Internet connections.
- Summarize uses for network services, virtualization, and cloud computing.
- Support the use of mobile devices and print devices.

Target Student

The Official CompTIA A+ Core 1 (Exam 220-1101) is the primary course you will need to take if your job responsibilities include supporting the use of PCs, mobile devices, and printers within a corporate or small office home office (SOHO) network. You can take this course to prepare for the CompTIA A+ Core 1 (Exam 220-1101) certification examination.



Please note that in order to become A+ certified, a candidate must pass both Exams 220-1101 and 220-1102.

Prerequisites

To ensure your success in this course, you should have 12 months of hands-on experience working in a help desk technician, desktop support technician, or field service technician job role. CompTIA ITF+ certification, or the equivalent knowledge, is strongly recommended.



The prerequisites for this course might differ significantly from the prerequisites for the CompTIA certification exams. For the most up-to-date information about the exam prerequisites, complete the form on this page: www.comptia.org/training/resources/exam-objectives

How to Use the Study Notes

The following notes will help you understand how the course structure and components are designed to support mastery of the competencies and tasks associated with the target job roles and will help you prepare to take the certification exam.

As You Learn

At the top level, this course is divided into **lessons**, each representing an area of competency within the target job roles. Each lesson is composed of a number of topics. A **topic** contains subjects that are related to a discrete job task, mapped to objectives and content examples in the CompTIA exam objectives document. Rather than follow the exam domains and objectives sequence, lessons and topics are arranged in order of increasing proficiency. Each topic is intended to be studied within a short period (typically 30 minutes at most). Each topic is concluded by one or more activities designed to help you apply your understanding of the study notes to practical scenarios and tasks.

In addition to the study content in the lessons, there is a glossary of the terms and concepts used throughout the course. There is also an index to assist in locating particular terminology, concepts, technologies, and tasks within the lesson and topic content.



In many electronic versions of the book, you can click links on key words in the topic content to move to the associated glossary definition, and you can click page references in the index to move to that term in the content. To return to the previous location in the document after clicking a link, use the appropriate functionality in your eBook viewing software.

Watch throughout the material for the following visual cues.

Student Icon	Student Icon Descriptive Text
	A Note provides additional information, guidance, or hints about a topic or task.
	A Caution note makes you aware of places where you need to be particularly careful with your actions, settings, or decisions so that you can be sure to get the desired results of an activity or task.

As You Review

Any method of instruction is only as effective as the time and effort you, the student, are willing to invest in it. In addition, some of the information that you learn in class may not be important to you immediately, but it may become important later. For this reason, we encourage you to spend some time reviewing the content of the course after your time in the classroom.

Following the lesson content, you will find a table mapping the lessons and topics to the exam domains, objectives, and content examples. You can use this as a checklist as you prepare to take the exam, and review any content that you are uncertain about.

As a Reference

The organization and layout of this book make it an easy-to-use resource for future reference. Guidelines can be used during class and as after-class references when you're back on the job and need to refresh your understanding. Taking advantage of the glossary, index, and table of contents, you can use this book as a first source of definitions, background information, and summaries.