

CompTIA IT Fundamentals (ITF+)

Introduction

CompTIA IT Fundamentals (ITF+) is the only pre-career certification that introduces candidates with basic IT knowledge and skills. ITF+ is the only certification that teaches all the core areas of IT foundations, making it ideal for non-technical professionals as well. Moreover, this course focuses on developing essential IT skills and knowledge needed to perform entry-level or advanced end-user tasks alike.

Course Highlights

This course teaches you about core aspects such as;

- Identifying computer components
- Setting up a workstation
- Establishing network connectivity
- Identifying compatibility issues and identifying and preventing security risks
- Managing the security and risk

Course Outline

MODULE 1: IT Concepts and Terminology

- Compare and contrast notational systems.
- Compare and contrast fundamental data types and their characteristics.
- Illustrate the basics of computing and processing.
- Explain the value of data and information.
- Compare and contrast common units of measure.
- Explain the troubleshooting methodology.

MODULE 2: Infrastructure

- Classify common types of input/output device interfaces.
- Given a scenario, set up and install common peripheral devices to a laptop/PC.
- Explain the purpose of common internal computing components.
- Compare and contrast common Internet service types.
- Compare and contrast storage types.
- Compare and contrast common computing devices and their purposes.
- Explain basic networking concepts.
- Given a scenario, install, configure and secure a basic wireless network.

MODULE 3: Applications and Software

- Explain the purpose of operating systems.
- Compare and contrast components of an operating system.
- Explain the purpose and proper use of the software.
- Explain methods of application architecture and delivery models.
- Given a scenario, configure and use web browsers.
- Compare and contrast general application concepts and uses.

MODULE 4: Software Development Concepts

- Compare and contrast programming language categories.
- Given a scenario, use programming organization techniques and interpret logic.
- Explain the purpose and use of programming concepts.

MODULE 5: Database Fundamentals

- Explain database concepts and the purpose of a database.
- Compare and contrast various database structures.
- Summarize methods used to interface with databases.

MODULE 6: Security

- Summarize confidentiality, integrity, and availability concerns.
- Explain methods to secure devices and best practices.
- Summarize behavioral security concepts.

Prerequisites

There is no prior experience necessary for this exam.

Target Audience

This certification is intended for;

- Candidates who aspire to build a career in the IT field.
- Professionals that require a deep understanding of the core concepts of IT.
- Marketing, sales, and operations corporates working in the IT domain.
- Individuals interested in pursuing professional-level certifications, such as A+.

Duration

16 hours training course