



COURSE OUTLINE

Course Name: CompTIA IT Fundamentals+

DURATION	SKILLS LEVEL	DILIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
3 Days	Introduction	Instructor-Led	N\A	IT Foundation

Course Description:

The CompTIA IT Fundamentals exam focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals alike, including:

- Using features and functions of common operating systems and establishing network connectivity
- Identifying common software applications and their purpose
- Using security and web browsing best practices

The CompTIA IT Fundamentals+ course is intended to help professionals to decide if a career in IT is right for them or to develop a broader understanding of IT. ITF+ is the only course that covers all areas of IT foundations creating a broader understanding of IT making, making it an ideal for non-technical professionals.

Prerequisites:

- Non

Target Audience:

- Students considering a career in IT
- Professionals working in fields that require a broad understanding of IT.
- Marketing, sales and operations staff in IT-based organizations

Learning Objectives:

On completion of the course, delegates will be able to:

- Comprehend notational systems, illustrate the basics of computing and explain the value of data and troubleshooting.
- Comprehend programming language categories, interpret logic, and understand the purpose of programming concepts.
- Know how to set up and install common peripheral devices to a laptop/PC or secure a basic wireless network.
- Able to explain database concepts, structures, and purpose, as well as understands methods used to interface.
- Manage applications software, understand the various components of an operating system and explain the purpose of methods of application architecture.
- Understand confidentiality, integrity, and availability concerns of secure devices and best practice methods.

Course Outline:

Lesson 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.

Lesson 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.

Lesson 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 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.

Lesson 4: Software Development Concepts

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

Lesson 6: Security

- Summarize confidentiality, integrity and availability concerns.
- Explain methods to secure devices and best practices.
- Summarize behavioural security concepts.
- Compare and contrast authentication, authorization, accounting and non-repudiation concepts.
- Explain password best practices.
- Explain common uses of encryption.
- Explain business continuity concepts.

Associated Exam and Certification:

This course will prepare students to take the CompTIA IT Fundamentals FCO-U61 exam.

Successfully passing this exam will result in the attainment of the CompTIA IT Fundamentals+ certification.

After completing this course students will receive a Netcampus course attendance certification.

The CompTIA Security+ certification does not form part of the CompTIA CE program and as such it is valid for life.

Exams and Certifications

Notes and Annotations

What is Next
