

CompTIA ITF+ Course Outline



EXAM NUMBER: FC0-U61

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.

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.

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.

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 concepts.

Database Fundamentals

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

Security

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