

CompTIA FC0-U61: IT Fundamentals

Student-ready learning path and practical course outline

A practical, student-friendly outline covering iT Concepts and Terminology, infrastructure, applications and Software, software Development, and datab...

MODULES

6

LESSONS

46

FORMAT

Self-paced

Module Breakdown

MODULE 1

IT Concepts and Terminology

- 0.1 Instructor Intro
- 1.1 Compare and Contrast Notational Systems
- 1.1 Compare and Contrast Notational Systems Demo
- 1.2 Compare and Contrast Fundamentals Data Types and Their Characteristics
- 1.3 Illustrate the Basics of Computing and Processing
- 1.4 Explain the Value of Data and Information
- 1.5 Compare and Contrast Common Units of Measures
- 1.5 Compare and Contrast Common Units of Measures Demo
- 1.6 Explain the Troubleshooting Methodology

MODULE 2

Infrastructure

- 2.1 Classify Common Types of Input-Output Device Interfaces
- 2.2 Given a scenario, set up & install Common Peripheral Devices to a PC
- 2.2 Given a scenario, set up & install Common Peripheral Devices to a PC Demo
- 2.3 Explain the Purpose of Common Internal Computing Components
- 2.4 Compare & Contrast Common Internet Service Types
- 2.5 Compare & Contrast Storage Types
- 2.6 Compare & Contrast Common Computing Devices & Their Purposes
- 2.7 Explain Basic Networking Concepts
- 2.7 Explain Basic Networking Concepts Demo
- 2.7 Explain Basic Networking Concepts Part 2
- 2.7 Explain Basic Networking Concepts Part 3
- 2.7 Explain Basic Networking Concepts Part 4

Module Breakdown (continued)

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| <p>MODULE 2</p> <p>Infrastructure (continued)</p> <p>2.8 Given a scenario Install, Configure & Secure a Basic Wireless Network 2.8 Given a scenario Install, Configure & Secure a Basic Wireless Network Demo</p> | <p>MODULE 3</p> <p>Applications and Software</p> <p>3.1 Explain the Purpose of Operating Systems 3.1 Explain the Purpose of Operating Systems Demo 3.2 Compare & Contrast Components of an Operating System 3.2 Compare & Contrast Components of an Operating System Demo 3.3 Explain the Purpose & Proper Use of Software 3.4 Explain Methods of Application Architecture & Delivery Models 3.5 Given a Scenario Configure & Use Web Browsers 3.5 Given a Scenario Configure & Use Web Browsers FireFox 3.5 Given a Scenario Configure & Use Web Browsers Demo Chrome 3.5 Given a Scenario Configure & Use Web Browsers Demo Edge 3.6 Compare & Contrast General Application Concepts & Uses</p> |
| <p>MODULE 4</p> <p>Software Development</p> <p>4.1 Compare & Contrast Programming Language Categories 4.2 Given a Scenario Use Programming Organizational Techniques & Interpret Logic 4.3 Explain the Purpose & Use of Programming Concepts 4.3 HTML Demo</p> | <p>MODULE 5</p> <p>Database Fundamentals</p> <p>5.1 Explain Database Concepts and the Purpose of Databases 5.2 Compare and Contrast Various Database Structures 5.3 Summarize Methods Used to Interface with Databases 5.3 Summarize Methods Used to Interface with Databases Demo</p> |
| <p>MODULE 6</p> <p>Security</p> <p>6.1 Summarize Confidentiality, Integrity, and Availability Concerns 6.2 Explain Methods to Secure Devices and Best Practices 6.3 Summarize Behavioral Security Concepts 6.4 Compare & Contrast Authentication, Authorization, Accounting, & Repudiation Concepts 6.5 Explain Password Best Practices 6.6 Explain Common Uses of Encryption 6.7 Explain Business Continuity Concepts 6.8 Takeaways 6.9 ITF Fundamentals Conclusion</p> | |