

### CompTIA IT Fundamentals (ITF+)

This course is for individuals considering a career in IT. It is an ideal stepping stone to more advanced certifications such as CompTIA A+, and with specialized experience, CompTIA Network+ and CompTIA Security+. With this new version comes the addition of the + to further distinguish ourselves within the marketplace and represent CompTIA quality and standards. Providing the basic knowledge needed for digital literacy: this includes the fundamental principles of hardware, software, and networks as well as best practices for using all three. In addition, it covers the essential skills and information needed to set up, configure, maintain, troubleshoot, and perform preventative maintenance of the hardware and software components of a basic personal computer workstation and basic wireless devices. Students will also implement basic security measures and implement basic computer and user support practices.

#### How you'll benefit

This class will help you:

- Learn the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, software development, and database use.

#### Why Attend with Current Technologies CLC

- Our Instructors are in the top 10%
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs Run up to Date Code for all our courses

#### Objectives

Upon completing this course, the student will be able to meet these objectives:

- Set up a computer workstation and use basic software applications
- Understand the functions and types of devices used within a computer system
- Apply basic computer maintenance and support principles
- Understand some principles of software and database development
- Configure computers and mobile devices to connect to home networks and to the internet
- Identify security issues affecting the use of computers and networks

#### Course Duration

5 day

#### Course Price

\$2,895.00

#### Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

#### Certification Exam

FC0-U61

## CompTIA IT Fundamentals (ITF+)

### Who Should Attend

The job roles best suited to the material in this course are:

- Entry-level and newly hired technical professionals, including PC support, help desk, and networking professionals
- Sales and marketing professionals looking to increase their ability to communicate with technical professionals and increase sales
- Executives who seek better-informed decision making
- Professionals seeking to prepare for the CompTIA IT Fundamentals+ Exam

### Prerequisites

To fully benefit from this course, you should have the following knowledge:

This course assumes students have basic knowledge of using a keyboard and a mouse. It does not assume that you have any formal familiarity with computers or the internet.

### Outline

#### Module 0: Introduction

- Course setup

#### Module 1: About computers

- Computing concepts
- Computer types
- Troubleshooting methodology

#### Module 2: Operating systems

- Operating system basics
- Common operating systems
- Navigating the Windows 10 interface

#### Module 3: Computer hardware

- Core components
- Storage devices

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### Module 4: Computer expansion

- Expansion interfaces
- Peripheral installation
- Input and output devices

### Module 5: File management

- Managing files
- Folders and locations

### Module 6: Computer administration

- Windows settings
- Personalizing the Windows environment

### Module 7: Computer maintenance

- Updates and maintenance
- Environment and safety
- Workstation setup

### Module 8: Security

- Security fundamentals
- Security techniques
- Securing devices and data

### Module 9: Network fundamentals

- Networking concepts
- Network technologies
- SOHO router features
- Windows network connections

### Module 10: Applications

- Application genres and features
- Installing applications

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- Software development

### Module 11: Databases

- Understanding general database terms
- Relational databases
- The access interface and objects

### Module 12: Internet applications

- Web technologies
- Using a web browser
- Virtual and cloud applications

### Module 13: Mobile devices

- Mobile device features
- Configuring mobile devices