# IT Fundamentals - FCO-U61

## Course Description

The IT fundamentals course is designed to help anyone learn about the exciting world of IT. It gives candidates the basic IT fundamental skills needed in this industry and is based on different areas of IT, including hardware, software, programming, security, and infrastructure.

This is the ideal place to start for anyone new to the world of IT. It will form the foundation of your learning as the information that you learn from this course will carry you forwards to any additional certifications you gain in the future.

The IT industry is one of the most lucrative markets to enter. Over the past few decades, the IT industry has exploded in terms of creating new job roles and incorporating IT technologies in everyday use. Studies have shown that the IT industry is growing year on year and many predict that there will be many IT job roles unfilled over the next few years. This course will try to fill in the gaps where IT job roles are needed by giving students their first step towards a career in IT.

The exam also assesses the candidate's knowledge in the areas of troubleshooting theory and preventative maintenance. This includes looking at the issues behind the problems and resolving them using your technical IT skills. In addition to this, the candidate will have to be able to demonstrate that they can incorporate prevention methods to stop these issues reoccurring in the future.

This is the ideal exam for anyone who's interested in pursuing an IT career and has a genuine passion for IT.

## Course Syllabus/Outline

The CompTIA ITF+ certification looks at 6 different skill area's for entry level information technology positions. Positions could be anything from help desk to support analyst or field technician.

**The 6 skill areas (domains) are:**

- IT Concepts and Terminology
- Infrastructure
- Applications and Software
- Software Development
- Database Fundamentals
- Security

**Who is this course for?**

Anyone and everyone, especially those interested in becoming IT professionals.

- 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

The updated exam will certify the successful candidate has the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security.

**What will we cover?**

Everything in the CompTIA objectives which are available on the CompTIA certification website.

IT CONCEPTS & TERMINOLOGY
Comprehend notational systems, illustrate the basics of computing and explain the value of data and troubleshooting

INFRASTRUCTURE
Know how to set up and install common peripheral devices to a laptop/PC or secure a basic wireless network

APPLICATIONS & SOFTWARE
Manage applications software, understand the various components of an operating system and explain the purpose of methods of application architecture

SOFTWARE DEVELOPMENT
Comprehend programming language categories, interpret logic, and understand the purpose of programming concepts

DATABASE FUNDAMENTALS
Able to explain database concepts, structures, and purpose, as well as understands methods used to interface

SECURITY
Understand confidentiality, integrity, and availability concerns of secure devices and best practice methods