

# CompTIA IT Fundamentals (ITF)

## What is it?

CompTIA IT Fundamentals (ITF) is an introduction to basic IT knowledge and skills that helps professionals decide if a career in IT is right for them. It also helps organizations prepare non-technical teams for digital transformation.

## Why is it different?

- CompTIA ITF establishes an IT education framework for students in middle school and high school.
- CompTIA ITF is the only pre-career certification that helps students or career changers determine if they have a competency for information technology and if it is the right career path for them.
- ITF is the only single certification that covers all areas of IT foundations.

## About the exam

The CompTIA IT Fundamentals exam will certify the successful candidate has the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application software development, database fundamentals, and security. In addition, candidates will have the ability to demonstrate their knowledge to:

- Install software
- Establish basic network connectivity
- Identify/prevent basic security risks
- Explain troubleshooting theory and preventative maintenance of devices

This exam is intended for candidates who are advanced end users, are considering a career in IT, and are interested in pursuing professional-level certifications, such as A+.



### Exam #

FC0-U61

### Release Date

September 2018

### Languages

English





### CE Required?

No

## Who Would Benefit from ITF

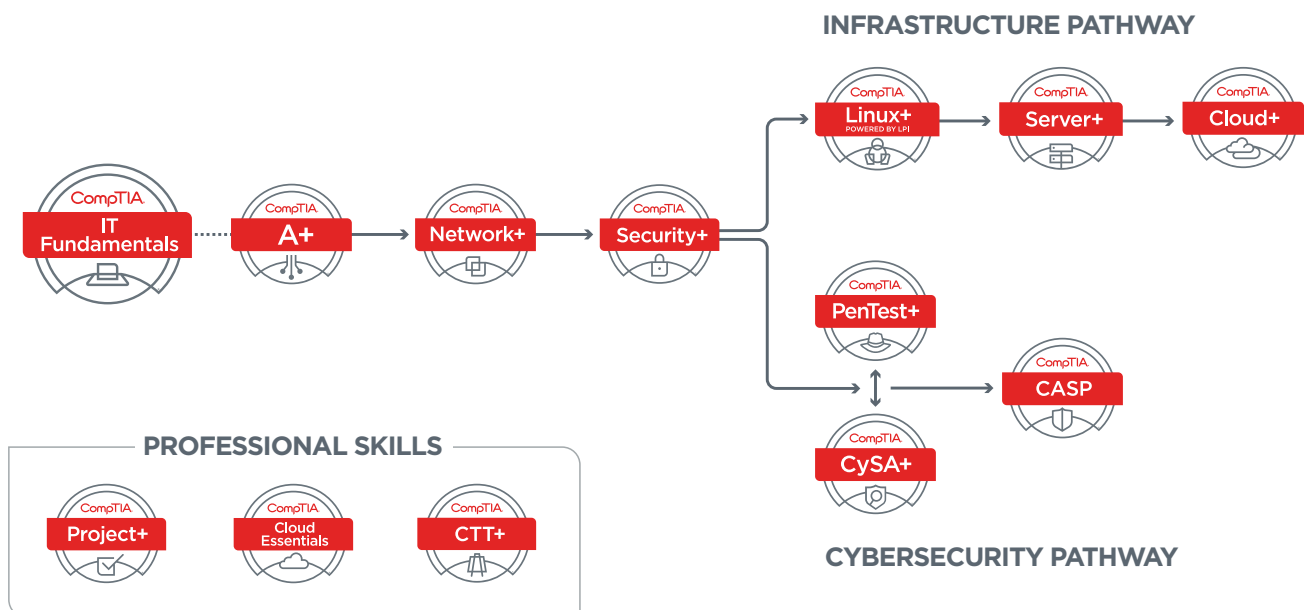
- Students considering a career in IT
- Professionals working in fields that require a broad understanding of IT
- Marketing, sales and operations staff in IT-based organizations

## How does CompTIA ITF Compare to Alternatives?

|                         |  |  |  |   |
|-------------------------|---|---|---|--|
| <b>Certification</b>    | <b>IT Fundamentals</b>  | <b>Microsoft Office Specialist</b>  | <b>IC3 Digital Literacy Certification</b>   | <b>European Computer Driving License/<br/>International Computer Driving License</b> |
| <b>Number of Exams</b>  | Single, multiple choice exam  | 5 performance-based exams   | 3 multiple choice exams   | Modular set of 17 exams  |
| <b>Exam Focus</b>       | Pre-career assessment of competency for IT  | Improving Microsoft Office Suite productivity                                     | End users who lack IT training  | End user skills  |
| <b>Experience Level</b> | Pre-IT career & Non-IT Pros   | Professionals in any field  | Non-IT pros   | Non-IT pros  |
| <b>Vendor Neutral</b>   | Yes   | No  | Yes   | Yes  |

## CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to build a career in IT. CompTIA ITF is the pre-career starting point to help students or career changers decide if a career in IT is right for them. ITF is a reasonably priced and more concise exam compared to other IT Certifications, which makes it valuable to obtain basic IT skills for the workplace. Other CompTIA certifications then give you the next step along the career path.



## Technical Areas Covered in the Certification

|  |   |   |
|--|---|---|
| <p style="text-align: center;"><b>IT Concepts and Terminology</b><br/><b>17%</b></p> <ul style="list-style-type: none"><li>• Compare and contrast notational systems and fundamental data type characteristics</li><li>• Illustrate the basics of computing and processing</li><li>• Explain the value of data and information</li><li>• Explain the troubleshooting methodology</li></ul> | <p style="text-align: center;"><b>Infrastructure</b><br/><b>22%</b></p> <ul style="list-style-type: none"><li>• Classify common types of input/output device interfaces</li><li>• Given a scenario, set up and install common peripheral devices to a laptop/PC or secure a basic wireless network</li><li>• Explain the purpose of common internal computing components and basic networking concepts</li><li>• Compare and contrast common Internet service types, storage types, and computing devices</li></ul> | <p style="text-align: center;"><b>Applications and Software</b><br/><b>18%</b></p> <ul style="list-style-type: none"><li>• Manage applications software</li><li>• Compare and contrast components of an operating system</li><li>• Explain the purpose and proper use of software and methods of application architecture</li><li>• Given a scenario, configure and use web browsers</li></ul>  |
| <p style="text-align: center;"><b>Software Development</b><br/><b>12%</b></p> <ul style="list-style-type: none"><li>• Compare and contrast programming language categories</li><li>• Given a scenario, use programming organizational techniques and interpret logic</li><li>• Explain the purpose and use of programming concepts</li></ul>   | <p style="text-align: center;"><b>Database Fundamentals</b><br/><b>11%</b></p> <ul style="list-style-type: none"><li>• Explain database concepts and the purpose of a database</li><li>• Compare and contrast various database structures</li><li>• Summarize methods used to interface with databases</li></ul>  | <p style="text-align: center;"><b>Security</b><br/><b>20%</b></p> <ul style="list-style-type: none"><li>• Summarize confidentiality, integrity, and availability concerns</li><li>• Explain methods to secure devices and best practices</li><li>• Summarize behavioral security concepts</li><li>• Compare and contrast authentication, authorization, and accounting</li><li>• Explain password best practices, common uses of encryption, and business continuity concepts</li></ul> |

In 2017, nearly 5.4 million individuals worked as technology professionals across the U.S., representing an increase of 2.1%, or nearly 110,000 net new jobs. CompTIA ITF will help you determine if this is the field for you.

Twelve years ago, technology spending outside of IT was 20 percent of total technology spending; it will become almost 90 percent by the end of the decade, according to Gartner, Inc. All workers need fundamental IT skills to use these technologies.

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