

ITF+ CompTIA IT, Part 1 of 3: Concepts and Networking

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Meet the expert: Dr. Michael Biocchi completed his PhD and has received his Masters of Science as well as his Bachelor of Computer Science. Michael is a Certified Information Systems Security Professional (CISSP). He is currently a full-time professor teaching a variety of computer science courses. These courses include: Artificial Intelligence, Security and Privacy, Project Management, PHP/MySQL, Distributed Systems, as well as many others. Michael also runs a small consulting business. He works with businesses in developing risk assessment, policy creation, business continuity planning, disaster recovery planning, and security awareness.

Prerequisites: none

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Course description: CompTIA ITF+ helps professionals to decide if a career in IT is right for them or to develop a broader understanding of IT. is a 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. This course covers learning about IT concepts and Networking.

Course outline:

Get Familiar

- Introduction
- Course Overview
- Get Familiar
- Summary

- Common Equipment
- Switches
- Routers
- Wifi Demo
- Summary

Concepts

- Introduction
- IT Concepts
- Binary
- Sizes
- SSD
- Memory
- Summary

Input and Output

- Introduction
- Input output
- Internet of Things
- Troubleshooting
- Hardware Issues
- Summary

Networking Basics

- Introduction
- Networking Basics
- OSI Model
- IP Address
- Mac Address
- Basic Walkthrough
- Packets
- HTTPS
- Summary

Networking Equipment

- Introduction
- Networking Equipment