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

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

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

• Common Equipment
• Switches
• Routers
• Wifi Demo
• Summary