ITF+ CompTIA IT, Part 2 of 3: Operating Systems and Software

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 Operating Systems and Software.

Course outline:

Operating Systems
- Introduction
- Operating Systems
- Differences
- OS Layer
- Markets
- File Systems
- Open vs. Closed Source
- GUI and Command Line
- Summary

Browsers
- Introduction
- Browsers
- JavaScript and CSS
- Cookies
- Caching
- Software
- Business Software
- Enterprise
- Collaboration
- Web Conferencing
- Software License
- Local vs. Cloud
- Solutions
- Summary

Software
- Introduction
- Software Demo
- PowerPoint
- Summary

Software Development
- Introduction

- Software Development
- Low Level Language
- High Leve Languages
- Syntax
- Compilation
- Interpretation
- Query Language
- Summary

Language Concepts
- Introduction
- Language Concepts
- Variable and Addition
- Arrays and Lists
- Branching
- Looping
- Summary

Coding Demo
- Introduction
- Coding Demo
- Variable Types
- Summary