

Introduction to Networking

Length: 1 Day

Summary: Introduction to Networking explains computer networking basics in terms that you can easily understand, using concepts common to everyday, non-computing experience. A brief introduction to networking history provides context, explaining how networks have become so important to businesses and individuals. The course emphasizes networking fundamentals, explaining the software and hardware that makes networking possible. The course stresses understanding how and why networks work, rather than focusing on memorization of terms or numbers.

Course Content

Module 1 - An Introduction to Networking.

Module 2 - Networking Standards and the OSI Model.

Module 3 - Transmission Basics and Networking Media.

Module 4 – Introduction to TCP/IP.

Module 5 - Topologies and Ethernet Standards.

Module 6 - Network Hardware.

Module 7 – WANs and Remote Connectivity.

Module 8 – Wireless Networking.

Module 9 –Network Operating Systems.

Module 10 - In-Depth TCP/IP Networking.

Module 11 – Voice, Video, and Data Convergence.

Module 12 - Network Security.

Module 13 - Troubleshooting Network Problems.

Module 14 - Ensuring Integrity and Availability.

Module 15 – Network Management.
