



CORE Program **Study Guide**

Systems, Networking & Programming

Systems

	Source	Description	Link (if link does not work, copy & paste full URL into browser)
1.	Cybrary	Networking Basics: (5 video modules/32 hours) This tutorial covers network technologies, installation and configuration, media and topologies, management and security. Distinguish between different types of networks, identify features of VPN and VLAN, differentiate and implement appropriate wiring standards, categorize WAN and LAN technology types and properties, implement a basic wireless network and recognize basic network attack types.	https://www.cybrary.it/course/comptia-network-plus/
2.	Microsoft Virtual Academy	Database/SQL Queries: (13 video modules with labs/7 hours) Find out how to use T-SQL to retrieve, insert, update, and delete data in a database. Learn about table expressions, grouping sets, error handling, and more.	https://mva.microsoft.com/en-US/training-courses/querying-with-transact-sql-10530?l=zw0lVg87_2304984382
3.	Microsoft Virtual Academy	Windows Server Administration Fundamentals: (8 video modules with lab/5 Hours) Build fundamental knowledge of server installation, server roles, Active Directory, storage, server performance management, and server maintenance.	https://mva.microsoft.com/en-US/training-courses/windows-server-administration-fundamentals-8477?l=LaRRbeXz_5004984382

Systems, cont'd

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4.	Microsoft Virtual Academy	Various / Systems: (catalog of tutorials) Programming in C#, Windows Server/Desktop administration, SQL Server, and cloud with Azure	https://mva.microsoft.com/
5.	Linuxtopia	Linux/Security Introduction: (6 modules/text-based) Linux security for beginners.	http://www.linuxtopia.org/LinuxSecurity/index.html
6.	Essayboard	Linux Tutorial: (9 videos/6 to 60 minutes each) Learn the basics of Linux using Ubuntu 10.4. Also applicable with Ubuntu 12.10.”	https://www.youtube.com/playlist?list=PLz-OcWomyQBgNhTk5SoictJfBvCfbhgn3
7.	Eli the Computer Guy	Linux: (9 videos/35 to 55 minutes each) Introduction from installing Linux to network configuration and backing up with TAR.	http://www.youtube.com/playlist?list=PLD6B6473ACF32C59D

Networking

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1.	Free CCNA Study Guide	Introduction/Tutorial to Networks: (9 chapters) Cisco Certified Network Associate study guide to routers and switches. With labs.	http://www.freeccnastudyguide.com/study-guides/icnd1-100-101/
2.	CBTNuggest	Networking Fundamentals: (7-day free trial) Entry-level training for networking technologies from Cisco, Microsoft, and Juniper Networks. Gain a thorough understanding of real-world subnetting.	https://www.cbtnuggets.com/it-training/network-administration-engineering/networking-level-1
3.	INE	Networking Tutorial: (25 hours of video tutorial) Both easy to understand and in-depth explanations, along with hands-on examples on the Cisco IOS Command Line Interface.	https://www.youtube.com/watch?v=bGez1WzTOss&list=PLF991927DF086C27C

Networking, cont'd

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4.	Keith Barker	Introduction/Tutorial to Cisco: (37 short videos) Topics related to CCNA certification technologies.	https://www.youtube.com/playlist?list=PLBAAE91215C7E39DE
5.	NetworKing	Networking Fundamentals: (20 videos/20-30 minute each) Cisco Certified Network Associate tutorial.	https://www.youtube.com/playlist?list=PLh94XVT4dq02frQRRZBHzyj2hwuhzSByN

Programming

	Source	Description	Link (if link does not work, copy & paste full URL into browser)
1.	The New Boston	Network Basics: (40 Video tutorials/each under 12 minutes) Types and parts of networks, servers, protocols, topology, binary code, PHP and more.	https://www.youtube.com/playlist?list=PL6gx4Cwl9DGBpuvPW0aHa7mKdn_k9SPKO
2.	The New Boston	Python Programming Tutorial: (56 video tutorials/each under 12 minutes) From installation through custom object sorting.	https://www.youtube.com/playlist?list=PL6gx4Cwl9DGAcbMi1sH6oAMk4JHw91mC_
3.	The New Boston	Overview of Python: (43 video tutorials/Each under 10 minutes) Python tutorial for beginners.	www.youtube.com/playlist?list=PLEA1FEF17E1E5C0DA
4.	Python	Hacking with Python: (14 videos/4 to 40 minutes each) This series contains video's from easy to more complex python programs made from scratch that would be useful for a computer hacker. For those already familiar with Python.	www.youtube.com/playlist?list=PL1A2CSdiySGLtKwqBnqj9BO N6QQjWkP4n



Wondering where best to start?

To schedule a call with an instructor who can assist you a self-guided study plan in preparation for the CORE, contact us at:

1-800-445-0024 Ext 1

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