MD TECH SOLUTIONS, LLC
Connecting people with information

Jr. Network Engineering Course

Course Number:	#MDTS-900
Course Length:	160 Hours
Number of Exams:	0
Certifications:	None
Class Price: Email Us	register@mdtechgo.com

Training Overview

MD Tech course will prepare Students with Network Skillset that will allow them to perform On The Job, Improving Interview Skills, Learning to Dress for Success and more. MD Tech's training main focus is on providing the Students with Hands On Cisco Routers and Switch Training instrumental in securing their first DoD IT Job. What is different than others about this Course is the 100% Hands On Network Training. Students will learn how to build EIGRP and OSPF Networks, Configure IP Addresses on devices, Wire the devices, Create VLANs and more.

To become an Employee as a Network Engineer, you should obtain a minimum of 2 certifications. Upong the completion of this hands on training, our instructors will speak with you about taking our CompTIA Security+ and Cisco CCNA training in preparation for your exams. This training is at an additional cost. The Security+ Certification is a Worldwide Trusted Certification to validate Fundamental Skills and Knowledge of Vendor-Neutral IT Security. Setting the Benchmark for Best Practices in IT Security, this Certification covers the Basic Principles for Network Security and Risk Management. Cisco Certified Network Associate (CCNA) Routing and Switching is a Certification Program for Entry-Level Network Engineers maximizing your Investment in Foundational Networking Knowledge and increasing the Value of your Employer's Network. CCNA Routing and Switching is for Network Specialists, Network Administrators, and Network Support Engineers with 1-3 years of Experience. The CCNA Routing and Switching validates the ability to Install, Configure, Operate, and Troubleshoot Medium-Size Routed and Switched Networks. The Cert Training is an additional Week Per Course.

Dress for Success is another focus of MD Tech training. To secure your IT Job, our Students will need to **STAND OUT** from other Applicants. During the Final day of the Course, Students are required to dress appropriately, as if going to the Job on their First Day. During a Group Session, our Staff will cover the Do's and Don'ts of Dress Attire. Our Staff will conduct One on One Meetings with each Student. During this meeting, the Staff will critique Students Dress Attire, offering Pros and Cons as needed for Improvement Recommendations.

MD Tech has developed a Customized Test Engine allowing each Student to test their Security+ Knowledge throughout the Week. The Instructor's Test Engine Dashboard provides detail information on each Student's Progress and Failures.   As the Class progresses, the Instructor will review the Progress Reports and tailor the Training based on the common areas where most of the Students are having issues. This Method of Training has allowed MD Tech Solutions to maintain a **99%** Passing Rate for Students attending the Entire Course.

Network Focus Items

- Hands On Training
- IP Addressing/Subnetting
- EIGRP
- Command Line Interface
- ACL
- Port Security
- OSPF Routing Protocol
- Static Routing
- Virtual Training Tool

Agenda

Complete the CLI Training

- Class Introduction and Laptop Setup
- Watch Videos "**Intro to Packet Tracer**" and Train CLI
- Intro to IPv4 Addressing and Subnetting

Resume Review (2 Hours)

- Lesson: OSI and TCP/IP Models
  - Intro to inter-VLAN Routing
  - Access-List: Standard and Extended
  - Spanning-Tree Port Fast
  - Port-Security

- IPV4 Addressing and Subnetting
- Homework in Class

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- Homework in Class
- IPV4 Addressing and Subnetting

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- Configure, Verify, and Troubleshoot Inter-VLAN Routing
- IPV4 Addressing and Subnetting
- Homework in Class

- Homework in Class
- IPV4 Addressing and Subnetting

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- Evaluation Review – Configuration
- IPV4 Addressing and Subnetting
- Dynamic and Static Routing: EIGRP and OSPF
- Homework in Class

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- Homework in Class
- IPV4 Addressing and Subnetting

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- EIGRP/OSPF Lab
- Homework in Class
- IPV4 Addressing and Subnetting

Resume Review (1 Hour)
Interview Sessions (1 Hour)

- Homework in Class (Completed)
- IPV4 Addressing and Subnetting

- HSRP/GLBP Lab and Lecture
- Homework due by

- Lab
- IPV4 Addressing and Subnetting