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# Education

# AAS-T – Network Operations & Systems Security Fall 2020

# Clover Park Technical College – Tacoma, WA 3.75 GPA

# • Computer Support Technician Certificate

# • Computer Help Desk Technician Certificate

# • Server Administrator Certificate

• Computer Network Information System Security Professional Certificate

# Technical Skills

**Security**

• Used Kali Linux to conduct Penetration Testing on lab networks and systems.

• Studied and composed drafts of acceptable use policies and contingency plans.

• Built modern public/private cryptography key server and generated and exported keys.

• Provided end-to-end security for clients and servers by configuring firewall rules.

• Patched system vulnerabilities through system updates and configuring firewall rules.

**Windows Desktop Support**

• Configured Windows hardware and applications.

• Verified network connectivity on Windows platforms.

• Utilized file encryption using NTFS permissions for file access.

• Customized a Windows 10 image, then prepared the image for capture using sysprep.

• Deployed custom images to new virtual machines using Windows Deployment Services.

**Windows Server Administration**

• Installed, configured, and maintained Windows Server 2012 R2 and Windows Server 2016.

• Created and managed Active Directory Domains including creating OU’s and users, adding roles, and deploying group policies.

• Configured Dynamic Host Configuration Protocol (DHCP) scopes and exclusions.

• Deployed Remote Server Administration Tools (RSAT) to allow networked clients access to the Internet.

• Configured Dynamic Naming System (DNS) to resolve IP to host names.

• Created file shares and managed access to resources through NTFS permissions.

• Configured server backups and restores.

• Created failover clusters using multiple servers.

**Virtualization**

• Managed virtual machines using Hyper-V, Virtual box, VMware, and Xen Server.

• Created virtual machines meeting a variety of hardware specifications.

• Interconnected virtual machines to create virtual networks.

**Scripting**

• Utilized Batch and PowerShell scripts to automate Windows administrative tasks.

• Familiar with Linux scripting languages, including Bash and Shell.

**Cisco Networking**

• Built a small ethernet network using Cisco routers and switches.

• Used Cisco command-line interface (CLI) to perform basic router and switch configuration.

• Designed, calculated, and applied subnet masks and addresses to satisfy given requirements in IPV4 and IPV6 networks.

• Configured Virtual Local Area Networks (VLANs) and trunking in a switched network.

• Implemented Dynamic Host Configuration Protocol (DHCPv4) to operate across multiple local area networks.

• Administered EtherChannel on switched networks.

• Configured single-area Open Shortest Path First (OSPFv2) in point-to-point and multi-access networks.

• Set up Network Address Translation (NAT) services on edge routers for IPV4 scalability.

**Linux**

• Administered Debian, Ubuntu, Fedora server and Desktop OS.

• Deployed small enterprise network and interconnected with other networks.

• Established and implemented naming conventions and IP addressing schemes.

• Configured and managed a variety of servers, including email, Voice over Internet Protocol (VOIP), NAS4Free, Web, and Secure File Transfer Protocol (SFTP).

• Managed systems through both graphical interfaces and command line.

• Familiar with the use tools available with “Kali” Linux including NMAP and Metasploit.

**Digital Forensics**

• Utilized OSForensics, Autopsy, and FTK Imager to capture and search drive images for data related to forensic investigation.

• Compared image files with forensic hashing and verification including SHA-1 and MD5

• Documented proper chain of custody through forms and policies and observed proper evidence handling procedures.

• Completed data and file recovery methods and procedures to export deleted files.