Computer Network Operator - National Security Agency (To apply go to: nsa.gov/careers and search for job# 1062972)

Responsibilities

Our nation has entered a new era that brings profound changes to the way the National Security Agency conducts its mission. The growth of the Internet around the world means that NSA is rapidly growing its Computer Network Operations (CNO) mission, both to defend our networks and to exploit the networks of our adversaries. In order to carry out these functions, NSA is looking for people who are highly skilled and impassioned about winning the war in cyberspace. These are NOT your average Computer Science or Engineering jobs!

Computer Network Operators conduct on-net operations to gather data from adversary information systems and networks. As an operator, you will use advanced software applications for network navigation, tactical forensic analysis, and collection of valuable intelligence information.

Qualifications

This fast-paced critical position requires someone with solid decision making skills, ability to react quickly, and has technical proficiency in the following areas:

Technical Competencies:
- Operating system and network analysis
- Operating system administration (Windows and Unix/Linux)
- Intrusion detection and incident response
- Penetration testing
- Packet analysis
- Computer and network forensics
- Low level protocol analysis
- Network administration
- Vulnerability Analysis
- Malicious code analysis

General Competencies:
- Critical Thinking
- Problem Solving

We are looking for people with a solid understanding of network penetration techniques, tools, and methodologies that can defend a network from attack. You should have broad expertise with multiple operating systems and a strong networking background to include network security devices. If you routinely visit network security websites, attend conferences, or maintain your own network; we would like to talk to you! If you are a computer hobbyist, enjoy setting up new networks, love the Black Hat / DEFCON Briefings, and Capture the Flag events; then you need to talk to us.

Applicants should have knowledge and experience in the following:
- Computer networking (concepts, protocols, implementations, etc)
- TCP/IP

- Routing
- DNS
- Network devices (install, maintain, troubleshoot)
- Switches
- Routers
- Firewalls
- Proxy servers
- Intrusion Detection Systems
- Virtual Private Networks
- Operating System concepts
- Processes and threads
- File systems
- Memory management
- Microsoft Windows (workstations and servers) - (install, maintain, troubleshoot)
- System administration
- Use of command line tools
- UNIX/Linux (workstations and servers) - (install, maintain, troubleshoot)
- System administration
- Use of command line tools
- Structured programming and scripting

You will be required to take a computer network operator test in order to be considered for this position. The test includes 2 sections. The first measures your ability to draw conclusions based on available information. The second measures your knowledge in these topic areas: Networking, Security, Windows, UNIX and Programming.

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