

**NETWORK SECURITY ANALYST**  
**CHAUTAUQUA COUNTY DEPARTMENT OF INFORMATION TECHNOLOGY SERVICES**  
**SALARY RANGE: \$36.44 – 48.48/HOUR + BENEFITS**

The Chautauqua County Department of Information Technology Services is currently accepting applications for one (1) full-time position (40 hours per week) of Network Security Analyst in the Mayville, NY office. This position is responsible for monitoring, analyzing, and protecting the network infrastructure from cybersecurity threats. The Network Security Analyst plays a critical role in identifying and responding to security incidents, implementing security measures, and collaborating closely with IT teams to integrate security protocols into network design and maintenance. The position requires independent judgment in threat detection and risk mitigation, as well as liaison responsibilities with internal departments to ensure compliance with regulations and policies. The incumbent performs complex technical work under general supervision and may assist in policy development and incident investigations.

**Typical Work Activities:**

- Monitor network traffic for suspicious activities, intrusions, or anomalies using firewalls, IDS/IPS, and SIEM systems;
- Identify, analyze, and respond to security incidents such as malware infections, phishing attacks, and unauthorized access following established protocols;
- Configure and maintain security tools including firewalls, antivirus software, encryption protocols, and access controls to safeguard network assets;
- Conduct regular vulnerability assessments and recommend remediation strategies for network infrastructure, systems, and applications;
- Assist in developing and enforcing network security policies, standards, and procedures to ensure compliance with regulations such as GDPR, HIPAA, and PCI-DSS;
- Evaluate potential security risks and recommend solutions including patch management and system hardening;
- Investigate security breaches, document findings, and prepare detailed reports with recommendations to prevent future incidents;
- Research and stay informed about the latest cybersecurity threats, vulnerabilities, and attack techniques;
- Analyze logs from various systems to detect potential security issues and ensure compliance with security policies;
- Perform or assist with penetration testing to simulate cyberattacks and identify network weaknesses;
- Collaborate on data backup and disaster recovery plans to ensure business continuity in case of security incidents;
- Work closely with IT and system administration teams to integrate security measures into network design, upgrades, and maintenance;
- Performs other related duties as assigned.

This position is being filled on a provisional basis pending the outcome of a future dated Civil Service examination for this title. An incumbent will be chosen from approved applications received.

**Chautauqua County offers a comprehensive benefits package which includes:**

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|---|-----------------------------|
| - Health Insurance (including Dental & Vision plan)       | - 13 Paid Holidays          |
| - Health Savings Account (partially funded by the County) | - Vacation & Sick Time      |
| - Flex Spending Account                                   | - Personal Days             |
| - NYSLERS Pension   | - NYS Deferred Compensation |
| - Eligible for Federal Public Service Loan Forgiveness    | - Wellness Program          |

**Minimum Qualifications** - Graduation from high school or possession of a high school equivalency diploma and either:

- A. Graduation from a regionally accredited or New York State registered four-year college with a Bachelor's Degree in Computer Science, Information Technology, Cybersecurity, or a closely related field and two (2) years of full-time paid experience in network security analysis and/or cybersecurity; OR
- B. Graduation from a regionally accredited or New York State registered two-year college with an Associate Degree in Computer Science, Information Technology, Cybersecurity, or a closely related field and four (4) years of full-time paid experience in network security analysis and/or cybersecurity; OR
- C. Six (6) years of full-time paid experience in network security analysis and/or cybersecurity.

**Additional Requirement:** Possession, at time of appointment and during service in this class of a valid motor vehicle operator's license.