Network Engineer III
Worcester Polytechnic Institute

Job Title	Network Engineer III
Department	Network Operations
Institution	Worcester Polytechnic Institute
	Worcester, Massachusetts
Date Posted	Apr. 30, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
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Job Description	

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JOB TITLE
Network Engineer III

LOCATION
Worcester

DEPARTMENT NAME
Network Operations

DIVISION NAME
Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

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Worcester Polytechnic Institute

The Network Engineer III supports the satisfactory operation of the WPI network while moving towards Infrastructure as Code using industry automation frameworks and in-house tooling. This is a senior level position where a broad knowledge of network technologies and vendors is expected.

Compensation ranges from $95,000 to $110,000 annually, depending on experience, and includes excellent benefits: 5 weeks of paid time off, 13 holidays, comprehensive health, dental, and vision coverage, a 9.5% retirement match after 12-months, disability and life insurance, tuition assistance (including full WPI tuition for dependents after 3 years), free access to the fitness center, wellness resources, flexible summer hours, employee discounts, and ERG participation.

JOB DESCRIPTION

Perform network engineering support including, but not limited to:

- Provide escalation support and guidance to others Network Engineers in troubleshooting issues and engineering deployments
- Maintain and support network hardware including switches, routers, wireless access points, and other communications hardware
- Assist with maintenance of out-of-band management hardware and battery backup systems
- Support physical plant additions and renovations as they relate to the fiber optic, voice, and data infrastructure
- Provide 24/7 connectivity for users of the data network including adds/moves/changes and wireless connectivity

Provide and maintain essential networking support services (DNS, DHCP, IPAM, NAC, etc) to the campus by:

- Administer Linux and FreeBSD appliance platforms which provide critical DDI, RADIUS and Policy Management services
- Maintain and support self-service end-user network provisioning services
- Evaluate emergent technologies and code maintenance releases for all Networking Support Services
- Plan and Develop end-users self-service tools for Network Registration and Wireless Guest Pass using various industry standard programming languages
- Coordinate with Systems Operations and ARC/Linux Operations as needed

Manage internal tools and services for network services including:

- Administer and extend internal asset, shipping and receiving tools for tracking purchases and cable inventory levels
- Maintain Network Operations Center digital displays for graphs, visualization of alerting and support ticket visibility
- Compose ad-hoc scripts, integrations and reports to support various initiatives as needed
- Maintain a working knowledge of virtualization and cloud technologies to support various projects and systems

Assist with architecture changes and evolution by:

- Research and analyze new technologies and how they will impact Network Support Services
- Participate in Internal Network Design Review sessions with the Directors of Network Services and Network Architect
- Develop and Deploy proof-of-concept integrations to better support Network Architecture changes
- Contribute feedback in the planning of the Network Services Roadmap
- Compose and Prepare network documentation standards and reports with the Director of Network Architect

Manage the monitoring platform which pages/alerts ITS staffof problems prior to user impact including:

- Administer all servers and services which comprise the Monitoring Platform
- Coordinate monitoring needs of the various ITS Departments into a well understood series of tools
- Provide integrations between various systems to enhance the ITS Monitoring platform using programming languages such as PHP, Python, Perl, and others
- Additional duties may be required as circumstances and events dictate.

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Requirements:

- Bachelor's degree in relevant field.
- 5 years' experience in advance knowledge of IT networking.

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FLSA STATUS
United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals from all backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Network-Engineer-III_R0003139

About WPI
WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

Diversity & Inclusion at WPI
WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

Please reference Academickeys in your cover letter when

applying for or inquiring about this job announcement.

Contact

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