

**The Nevada System of Higher Education
Position Announcement
For
Network Engineer**

The Nevada System of Higher Education (NSHE) invites applications and nominations for the position of Network Engineer. This is a renewable, full-time, non-tenured, administrative position and reports to the Assist Director, Network Engineering. The NSHE is comprised of eight institutions: two universities, a state college, four community colleges and a research institute. The public system of higher education in Nevada continues to experience growth with significant challenges and opportunities in serving over 100,000 students and 12,000 employees.

The Network Engineer position is responsible for the project design, management and deployment of complex networking projects, provides tier-three troubleshooting and network support, and is responsible for the deployment and management of network devices, security devices, network monitoring systems and related equipment. The position will be located in Las Vegas, Nevada.

GRADE: 5

APPROXIMATE STARTING DATE: October 1, 2016

MINIMUM QUALIFICATIONS: The successful candidate must have a Bachelor's degree from an accredited institution (technical discipline preferred) plus a minimum of six years progressive experience directly applicable to the position. Alternatively, at least eight years of directly applicable experience with at least two years of formal education or training in a related field may be substituted. At least one year of management/supervision of technical employees experience is preferred.

KNOWLEDGE, SKILLS AND ABILITIES: Successful candidates must possess the following knowledge, skills and abilities. Applicants should address following items in their letter of application:

- Extensive design and architecture experience in IP data networks; experience in the implementation and management of complex networks using IP routing protocols such as BGP, OSPF and EIGRP
- Extensive experience in the deployment and management of network security technologies such as firewalls, VPNs and IDS/IPS systems
- Extensive experience in IP data network troubleshooting, testing, monitoring and management
- Demonstrated ability to successfully manage, coordinate, deploy and maintain highly complex technical networking projects and systems
- Extensive experience in creating and maintaining project-related documentation, network diagrams, testing plans and deployment plans
- Excellent analytical and problem solving skills, creativity, verbal and written communication skills, interpersonal skills and the demonstrated ability to be a productive team member
- Microsoft (Visio, Word, XL Excel & Power Point)
- The ability and desire to research new technologies, tools and methodologies

PREFERRED KNOWLEDGE, SKILLS AND ABILITIES: Successful candidates need to possess the following knowledge, skills and abilities. It is recommended that applicants for this position address each of the following items in their letter of application:

- An advanced technical degree
- Supervisory experience as it relates to oversight of technical network personnel

- In-depth experience and knowledge of Cisco IOS
- Cisco CCNP, CCDP and/or CCIE certification
- In-depth experience with Cisco and/or Brocade networking devices such as Catalyst Switches, WAN routers, ASA firewalls, Load Balancers and MPLS mechanism
- Voice over IP and QoS network operation
- In-depth experience using troubleshooting tools such as protocol analyzers
- Telco DS-0 & Higher Speed Lease Line ordering, configurations, troubleshooting and acceptance testing
- Economic alternative analysis and business case preparation/presentation
- Technical service contract administration
- Optical Transport devices and technologies such as SONET, DWDM, Add/Drop Multiplexors, Cisco ONS15454 technology
- Local and wide area network security practices
- Authentication technologies such as TACACS+, RADIUS, 802.1x, xEAP
- SNMP-based monitoring systems; experience with Netflow; experience with syslog and log analysis
- Devising, documenting and following formal procedures; experience using ticket tracking systems; experience with project management or change management systems, tools or methodologies; experience with ITIL (Information Technology Infrastructure Library) practices
- Any of the following tools: ACS, WhatsUp, Solarwinds, Netflow Monitor, Statseeker, Kiwi Syslog
- System performance monitoring and reporting
- Wide Area Networks (WAN's), wide area and local area network security practices, routing and routed protocols, video scheduling/control systems, local and carrier network (T1, DS-3, OCx, and higher line rates), fiber optics, network cyber security, Video/Voice over IP, SONET, Ethernet, TCP/IP, SNMP, network analyzer and hardware/software troubleshooting skills

RESPONSIBILITIES: The duties of this position will include, but not be limited to, the following areas of responsibility within Network Services:

- Analysis and design support for highly complex network enhancements and expansions
- Tier-3 network troubleshooting, testing, performance monitoring and tuning; providing advice, assistance and training for NSHE units and external agencies
- Project management and coordination for new installations and enhancements, including coordinating activities with technicians, common carriers, customers and external agencies
- Deployment and management of network and security monitoring and management systems
- Deployment and management of NSHE System Administration and System Computing Services Wireless Network System
- iNtegrate and Data Center Infrastructure System Technical Support
- Audio/Videoconferencing System Technical Support
- Research and analysis of emerging network and security technologies
- Management of budget areas as assigned
- Limited auto and airline travel with overnight stays is required in support of activities related to this position

TO APPLY: The application process will be handled through the Consensus Search on-line search process. The review of application materials will begin upon submission and must include a current resume, detailed cover letter, and names, addresses and telephone numbers of four professional references willing to be contacted. Applicants should fully describe qualifications and experience, since the initial review will serve to evaluate applicants based on documented, relevant qualifications and professional work experience. The review of materials will begin immediately. Materials should be addressed to Lori Mandracchio, Search Coordinator, and are to be submitted via on-line application at <http://system.nevada.edu/Careers/index.htm>. For assistance with NSHE's on-line applicant portal, contact Lori Mandracchio at (702) 889-8426 or lori_mandracchio@nshe.nevada.edu.

Application Deadline: Applications may be submitted until the position is filled, however, to ensure full consideration, applications should be submitted by **August 28, 2016**.

For more information about the Nevada System of Higher Education, please visit our website at www.nevada.edu. The Nevada System of Higher Education hires only United States citizens and aliens lawfully authorized to work in the U.S. The NSHE is an affirmative action, equal opportunity employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, genetic information, sexual orientation, gender identity, or gender expression.