The Nevada System of Higher Education invites applications and nominations for the position of Network Analyst II. This is a renewable, full-time, non-tenured, administrative position and reports to the Network Engineer and will be located in Las Vegas, NV. 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 Analyst II 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.

GRADE: 7

APPROXIMATE STARTING DATE: November 1, 2016

MINIMUM QUALIFICATIONS: The successful candidate must have a Bachelor’s degree from an accredited institution (technical discipline preferred) plus a minimum of two years progressive experience directly applicable to the position. Alternatively, the candidate must have at least two years of formal education or training in a related field plus a minimum of eight years of directly applicable experience.

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

- Knowledge of data/video/voice communications; networking standards and protocols; network operating systems; the interdependence of software and hardware operating in a multi-functioning, multi-user network environment; principles, practices and techniques in the installation and maintenance of communications equipment, hardware and software in a large integrated environment
- Experience in IP wide area data/video network design, equipment installation, operation, troubleshooting/problem resolution, testing, monitoring and maintenance
- Some experience or exposure to the deployment and management of network security technologies such as firewalls, VPNs and IDS/IPS systems
- Demonstrated ability to successfully manage, coordinate, deploy and maintain networking projects and systems
- 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
- Demonstrated ability to work effectively in a collaborative, team environment
- Experience researching and providing basic analysis related to new technologies, tools, and methodologies
- Microsoft (Visio, Word, XL Excel & Power Point)
Certification as a Cisco Certified Network Associate (CCNA) or Cisco Certified Design Associate (CCDA) or ability to obtain either certification within one (1) year of appointment as a condition of continued employment

PREFERRED KNOWLEDGE, SKILLS AND ABILITIES: Successful candidates must 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:

- Cisco CCNA, CCDA, CCNP and/or CCDP certifications
- Experience and knowledge of Cisco IOS
- Experience with networking devices such as Catalyst Switches, WAN routers, ASA firewalls, Load Balancers and MPLS mechanisms
- LANs and WANs using IP routing protocols such as BGP, OSPF and EIGRP
- Voice over IP and QoS network operation
- Streaming and interactive video systems and scheduling programs
- 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:

- Install, test, operate, maintain, troubleshoot and perform preventative maintenance activities in support of NSHE’s statewide network and data center operations
- Collaborate with network end users for the purpose of assessing and implementing ongoing customer network requirements
- Monitor NSHE video/data performance to ensure overall network quality and availability
- Technical support for NSHE statewide network services such as video conferencing, Internet I/II connectivity and other NevadaNet services
- Cabling/network connection support for data center Systems and Applications network connectivity
- Document network topology, asset inventories, customer and vendor service agreements other administrative, technical or historical documentation requirements
- Deploy and manage network and security monitoring and management systems
- Deploy and manage 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
- 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. The review of application materials will begin upon submission; to ensure full consideration, applications should be submitted by **September 19, 2016**.

For more information about the Nevada System of Higher Education, please visit our website at [www.nevada.edu](http://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.